"WELL, YOU'RE HELPING SOME!"

Painted by G. J. Perritt for Cream of Wheat Co. *Copyright 1915 by Cream of Wheat Co.*

Hello Boys!

MAKE LOTS OF TOYS

I want you boys to build for me the biggest, best and most original Models produced for any construction toy. I am willing to dig deep into my pocket to pay you to make a big effort.

THINK OF IT! 300 PRIZES! WORTH *$3000*

Try hard for the Auto—but if you don't win *that*, there are 299 other prizes. Motorcycles, Bicycles, Camp Outfit, Tents, Canoe, Camera, Skates, Air Rifles; $25, $15, $10, $7.50, $5.00 and $3.00 Erector sets, etc. I want these models to use in showing other boys what can be built.

BUILD NEW MODELS and WIN PRIZES

Brand New

AUTO

Is One

ERECTOR

It Costs *Nothing* To Enter Contest

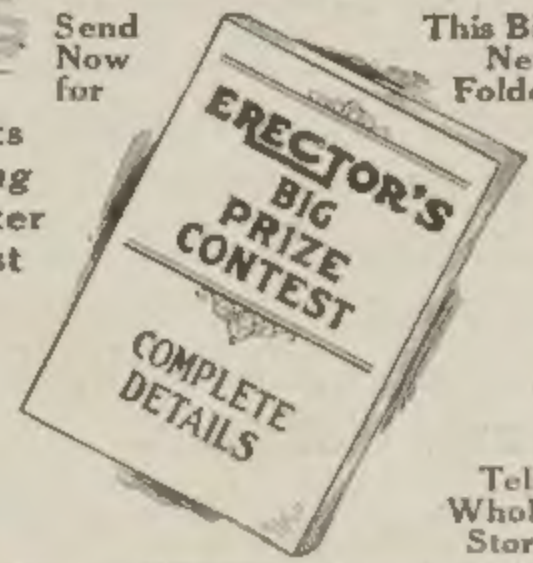
(The Toy with Girders like Structural Steel)

You do not have to buy Erector to compete. We cannot tell the full story here. Ask your toy dealer today for—

FREE FOLDER I have prepared a big, special folder full of pictures. It gives all details about the auto: its name, specifications, etc.; also illustrates and describes minutely all prizes. If your toy dealer has no folders, write me his name and I will supply you. He sells Erector in sets running from $1 to $25. There's an electric motor in all sets at $5 and over.

Yours for a dandy good time, A. C. GILBERT, President.

Send Now for



This Big New Folder

Tells Whole Story

THE MYSTO MFG. CO.
250 Foote St.
NEW HAVEN, CONN.

Wouldn't You Like to Shout That to Your Friends?

SOME BOY WILL!

"EMPTY, BY HECK!"

Painted by Edward V. Brewer for Cream of Wheat Co.

Copyright 1915 by Cream of Wheat Co.

"EMPTY, BY HECK!"

Painted by Edward V. Brewer for Cream of Wheat Co.

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"WELL, YOU'RE HELPING SOME!"

Painted by G. J. Perrett for Cream of Wheat Co.

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CURRENT EVENTS

EUROPEAN WAR

IN THE EAST

May 5.—The Austro-German forces in Galicia recapture Tarnow, on the Donajec, and drive the Russians from that and the Biala rivers. Russians in the Karpathians continue to withdraw, while the Austrian offensive at Lupkow and Uzsok passes strengthens.

May 7.—In Galicia, the Russians continue to retreat to the junction of the Donajec and the Vistula. Berlin reports that General von Mackensen, on the German right wing, comes into frequent contact with the retreating Russian forces of the Karpathians. An official résumé of the battle places the final concentration and completion of preparations of the Austro-Germans on April 30. Artillery began the attack on May 1, followed next day by a devastating fire over a four-mile front. By May 2 they had advanced ten miles and penetrated the main Russian position, taking over 20,000 prisoners. A Vienna paper announces that all credit for the recent successes in the Karpathians is due to the strategy of Field-Marshal Conrad von Hoetzendorf, Chief of Staff of the Austrian Army.

The Rockefeller Commission for Relief in Poland is informed that Western Poland, now in German possession, is in dire distress, owing to the cutting off of imports and the stopping of work in the mines. In three of the largest centers 10 per cent. of the population are wholly dependent on charity, and typhus, cholera, dysentery, and scarlet fever have raised the death-rate 12 per cent.

May 8.—German progress above the Niemen in northern Poland continues. Libau, on the coast, has suffered both land and water attacks.

IN THE WEST

May 5.—A French eye-witness with the army estimates the German loss in the last two weeks, incurred in the struggle in Belgium and against the extreme French right, to be 35,000 men.

May 7.—Berlin claims that all the Allied attempts to wrest from the Germans "Hill 60," near Ypres, have failed.

May 8.—Paris reports signal success above Arras, where four miles of trenches are taken, and, in places, as much as 2½ miles gained.

The German assault at Ypres, lax for two days, begins with renewed vigor, penetrating the Allied line at points near Frezenberg.

May 9.—The Germans break through the Allied line for some distance on the Poelcappelle road, to Westtje, where they are halted. The Allied line reforms and makes a successful stand, with counter-attacks.

May 11.—The German drive at the Allied left wing continues with unparalleled violence, from Lombaertzyde to Arras. It is termed the greatest battle of the war.

May 12.—North of Arras the Allies are hotly engaged in an attempt to break through the German line, but without immediate gain.

GENERAL WAR NEWS

May 7.—The Cunard liner *Lusitania* is torpedoed near Kinsale on the Irish coast and sinks in fifteen minutes. One thousand one hundred and fifty-

New England
The Vacation Land

Mt. Kineo House
on Moosehead Lake, Maine
A vacation of novel and most delightful pleasures.
A luxurious hotel on this famous island era in the big woods.
Finest game fishing in America, wonderful canoe trips, motor boat regattas, golf and tennis tournaments, riding, bathing, archery.
Send for booklet G

Mount Desert
and Bar Harbor
One of the famous vacation spots of the world—wonderful combination of island and mountains.
Sea beauty, forests, cliffs, vales and gardens.
Celebrated for the high plane of its summer life—socially, intellectually, artistically. And for its delightful outdoor life.
Also Northeast, Southwest and Seal Harbors.
Luxurious hotels charming inns and boarding houses at moderate rates.
Send for booklet F.

The White Mountains
of New Hampshire
A vacation thousands of feet above the heat and dust of summer in the New England Alps.
Mountain air that will make you over in a week.
Scenery of unimaginable beauty, hundred-mile views, famous natural wonders.
Golf, tennis, motoring, climbing, rides on the great of New England, delightful social life.
The finest of summer hotels, excellent boarding houses.
Send For booklet C.

N.Y., N.H. & H.R.R.
B. & M.R.R.
M.C.R.R.

For booklets and information address
Vacation Bureau
171 Broadway, Room 710, New York

THE AMERICAN NAUHEIM
The Only American "Cure" giving the Nauheim Baths with a natural, iodo-ferruginous Radio-active Brine.

The GLEN SPRINGS
A Mineral Springs Health Resort and Hotel. Open All The Year. Five Minutes' Walk From Watkins Glen.
Midway between the Great Lakes and the Hudson. A Thousand Miles of Good Roads radiate through the Lake Region. Automobiling, Boating, Fishing, Music, Dancing. Well-kept and sporty Golf Course, Tennis Courts, Putting Greens.
THE BATHS are given under the direction of physicians. Complete Hydrotherapeutic, Mechanical and Electrical Equipment. For the treatment of heart disease, rheumatism, gout, diabetes, obesity, neuralgia, digestive disorders, anemia, neurasthenia, diseases of the nervous system, liver and kidneys, we offer advantages unsurpassed in this country or Europe.
For descriptive booklets address: WM. E. LEFFINGWELL, President, Watkins, N. Y., on Seneca Lake

AIR RIFLES, POP GUNS, ETC.

DAISY PUMP ACTION REPEATING AIR RIFLES.

No. 5020—50 shot, shoots BB air rifle shot, metal parts non-rusting gun blue, genuine black walnut stock, hand polished, adjustable sights front and rear, length 38 in., w't each 3½ oz. .....per dozen **CJJ** $50.00

This new pump action repeater operates by pulling the slide toward the stock, the loading action is automatic, fires rapidly from the shoulder, the magazine having a forced feed, is a strong and accurate shooter. It is bound to be a winner.

ONE-HALF DOZEN IN A CASE.

KINDRED GOODS APPEAR ON PAGE 1916.

DAISY AIR RIFLE ASSORTMENT.

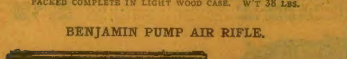
No. 100D includes the following—

1 only No. B3 Special, 1,000 shot, blued finish, each		$2.50
2 only No. 3, 1,000 shot	each	2.00
2 only No. 30, 500 shot	each	1.75
2 only No. 1, Repeater	each	1.25
2 only No. 2, Single Shot	each	1.00
2 only No. 20, Little Daisies	each	.50
2 only No. 14, Big Daisy Pop	each	.50
6 only No. 10, Little Daisy Pop	each	.25
1 only No. 21, Target and 100 cards	each	.50
Total	**AAIE**	$18.50

A FINE DISPLAY CARD OF A "DAISY BOY" IS FREE WITH EACH ASSORTMENT. THIS CARD IS 24 IN. HIGH BY 25 IN. WIDE AND, USED AS A WINDOW TRIM, WILL DISPLAY ONE AIR RIFLE AT A TIME.

PACKED COMPLETE IN LIGHT WOOD CASE. W't 38 LBS.

BENJAMIN PUMP AIR RIFLE.



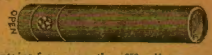
No. 5025—Nickel plated barrels, walnut stock, single shot take-down, larger barrel is the pump and air chamber, smaller one is the shooting barrel, length 37 in., w't 2 lbs., per dozen .....**BCAJ** $42.00

No. 1—Valve balls, for No. 5025 .....per dozen **JEI** .20
No. 2—Rubber plugs, for No. 5025 .....per dozen **JAJJ** 1.80
No. 3—Pump leathers, for No. 5025 .....per dozen **JCJ** .50

This is a pneumatic gun and is operated entirely by air. It is not a spring gun.

ONE DOZEN IN A CASE.

BOY SCOUT AIR RIFLE SHOT.



No. 15—Contains 5 oz., more than 250 pellets, put up in strong paper tube with slip band shot release, one hundred tubes in a case, w't per case 33 lbs. .....per case, **DJJ** $5.00

Designed for pocket use, by turning band on tube, shot may be removed as wanted.

AIR RIFLE DARTS.

No. 17—Sharp, steel points, with assorted colors, red, yellow and blue flight guides, w't per gro. ½ lbs.,
per gross .....**BJJ** $3.60

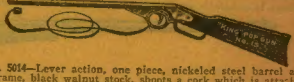
ONE DOZEN IN AN ENVELOPE.

AIR RIFLE TARGETS.

No. 21—Daisy, height 7 in., width 6 in., steel frame, handsomely nickel plated, removable paper target to record score, 100 record cards with each, gong rings when bull's-eye is hit, no glancing shots, as all are held inside the target, w't per doz. 1½ lbs.,
per dozen .....**DDJ** $8.00

For in or out door practice. Increases the interest in shooting.

KING SAFETY LEVER POP GUN.



No. 5014—Lever action, one piece, nickeled steel barrel and frame, black walnut stock, shoots a cork which is attached to a string and makes a big noise, length 17 in., w't 7½ oz.,
per dozen .....**AFE** $3.00

This is the first lever action pop gun made that can't kick back and hurt hand or fingers, and will make a big hit with the little folks, for it is almost identical in appearance with the big 1,000 shot, lever action and all.

SIX DOZEN IN A CASE.

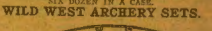
KING LONG DISTANCE POP GUN.

Long Distance.

No. 5019—Nickel plated and polished steel barrel, black walnut stock, shoots a cork and rubber ball at end of string and makes a loud report, length 21 in., w't 1 lb.,
per dozen .....**DHJ** $6.00

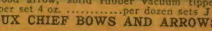
SIX DOZEN IN A CASE.

WILD WEST ARCHERY SETS.



No. 116—Nickel plated spring wire bow, 29¼ in. long, red stained wood arrow, solid rubber vacuum tipped, 18 in. long, w't per set 4 oz. .....per dozen sets **JIE** $1.60

SIOUX CHIEF BOWS AND ARROWS.



No. 118—Bow and hand piece of polished nickel steel, 26 in. long, arrow of polished hardwood with soft rubber tip, 13 in. long, w't 12 oz. .....per dozen **BBJ** $4.00

This bow and arrow made to shoot and to last, is bound to be a popular seller.

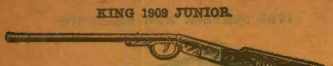
ARROWS.

No. 119—Polished hardwood with soft rubber tip, 15 in. long, same as come with No. 118 bows and arrows,
per dozen .....**JEE** $1.00

ONE GROSS BOWS AND ARROWS IN A CASE.

AIR RIFLES.

KING 1909 JUNIOR.



No. 5010—Nickel plated steel barrel and frame, walnut stock, good sights, perfect action, shoots BB shot, length 29 in., w't 1½ lbs.....per dozen **DDJ** $8.00

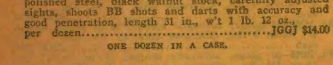
ONE DOZEN IN A CASE.

KING SINGLE SHOT.

No. 5021—Lever action, made of one piece nickeled and polished steel, black walnut stock, carefully adjusted sights, shoots BB shots and darts with accuracy and good penetration, length 31 in., w't 1 lb. 12 oz., per dozen.....**JGGJ** $14.00

ONE DOZEN IN A CASE.

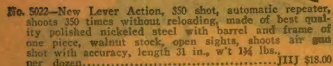
KING 350 SHOT AUTOMATIC REPEATER.



No. 5022—New Lever Action, 350 shot, automatic repeater, shoots 350 times without reloading, made of best quality polished nickeled steel with barrel and frame of one piece, walnut stock, open sights, shoots air gun shot with accuracy, length 31 in., w't 1¾ lbs., per dozen.....**JIJ** $18.00

ONE DOZEN IN A CASE.

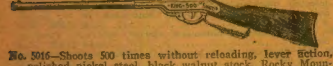
KING 500 SHOT AUTOMATIC REPEATER.



No. 5016—Shoots 500 times without reloading, lever action, polished nickel steel, black walnut stock, Rocky Mountain front sight, rear peep sight, hammerless, shoots BB shot, all parts interchangeable, length 34 in., w't 2¾ lbs.....per dozen **ACJJ** 23.50

HALF DOZEN IN A CASE.

KING 1000 SHOT AUTOMATIC REPEATER.



No. 5017—Shoots 1,000 times without reloading, shoots BB shot, lever action, frame and barrel are of one piece nickel plated steel, no joints between barrel and frame to work loose, black walnut stock, excellent sights, all parts interchangeable, length 36 in., w't 2¾ lbs., per dozen.....**ADEE** $26.40

This is a hammerless magazine repeater which loads automatically and shoots with accuracy and great penetration.

HALF DOZEN IN A CASE.

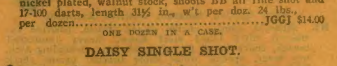
DAISY SINGLE SHOT.

New Lever Action.

No. 5005—Lever action, single piece steel barrel, finely nickel plated, walnut stock, shoots BB air rifle shot and 17-100 darts, length 31½ in., w't per doz. 24 lbs., per dozen.....**JGGJ** $14.00

ONE DOZEN IN A CASE.

DAISY SINGLE SHOT.

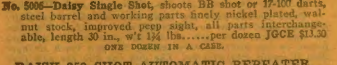


Break Down Action.

No. 5006—**Daisy Single Shot**, shoots BB shot or 17-100 darts, steel barrel and working parts finely nickel plated, walnut stock, improved peep sight, all parts interchangeable, length 30 in., w't 1¾ lbs.....per dozen **JGCE** $13.20

ONE DOZEN IN A CASE.

DAISY 350 SHOT AUTOMATIC REPEATER.

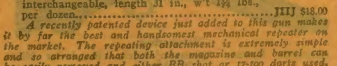


No. 5007—**Daisy Repeater**, 350 shot, shoots BB shot or 17-100 darts, handsomely nickel plated steel barrel, all parts interchangeable, length 31 in., w't 1¾ lbs., per dozen.....**JIIJ** $18.00

A recently patented device just added to this gun makes it by far the best and handsomest mechanical repeater on the market. The repeating attachment is extremely simple and so arranged that both the magazine and barrel can be easily removed and either BB shot or 17-100 darts used.

ONE DOZEN IN A CASE.

DAISY 500 SHOT AUTOMATIC REPEATER.



No. 5018—**Daisy**, 500 shot, shoots BB shot, working parts of steel and brass, black walnut stock, lever action, loads automatically, length 35 in., w't 2¾ lbs., per dozen.....**ACJJ** $23.60

HALF DOZEN IN A CASE.

DAISY 1000 SHOT AUTOMATIC REPEATER.

No. 5012—**1,000 shot, nickel plated**, shoots BB shot, working parts of steel and brass, turned walnut stock, fitted with blued steel butt-plate, lever action, loads automatically, length 36 in., w't 2 lbs. 9 oz.....per dozen **ADEJ** $26.40

Shooting barrel provided with patented shot retainer that enables the user to shoot downward without losing the shot. It shoots accurately and with great force.

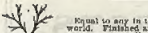
No. 5008—**1,000 shot**, blued finish, magazine gun with lever action, loads automatically, turned genuine black walnut stock, highly polished, fitted with blued steel butt-plate, all parts interchangeable, length 36 in., w't 2¾ lbs.....per dozen **AIHJ** $36.00

HALF DOZEN IN A CASE.

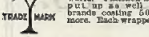
BOKER'S "TREE" BRAND POCKET KNIVES.

TRADE MARK

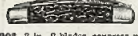
Equal to any in the world. Finished and put up as well as brands costing 50 ¢ more. Each wrapped.



G902—3 in., 2 blades, congress pattern, swaged, stag handle, german silver cap and bolster, brass lined. ¼ doz. in box..... Doz. $4.25

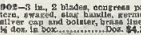


G903—3 in., 2 blades, swaged, stag handle, german silver cap, bolster and shield, brass lined. ¼ doz. in box. Doz. $4.50



G924—3 in., 4 blades, 1 medium, 2 pen., 1 nail file, pure white pearl handle, german silver cap, bolster and shield, brass lined. ¼ doz. in box..... Doz. $12.50

BOKER'S "TREE" BRAND POCKET KNIFE ASSTS.



G913—3¼ in., 2 blades, large coca spear, small spear with bottle opener, stag handle, german silver shield, cap and bolster, brass lined. ¼ doz. in box..... Doz. $4.35

G914—3¼ in., 2 blades, swaged, crocused, stag and rosewood handles, steel cap and bolster, german silver shield, brass lined. Asstd. ¼ doz. in box..... Doz. $4.35

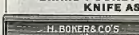
G900—3¼ in., 2 blades, swaged, stag handle, german silver lips and shield, brass lined. ¼ doz. in box. Doz. $4.35

G932—3½ to 3¾ in., 2 blades spear and clip, stag and rosewood handles, clay opener and cattle blade, german silver cap, bolster, and shield, brass lined, plush lined display box. Asstd. 1 doz. in box..... Doz. $4.35

G930—3 to 3¼ in., 2 blades, stag, buffalo horn and white bone handles, german silver cap, bolsters and shield, brass lined, leather display case. Asstd. 1 doz. in case..... Doz. $4.75

POCKET KNIFE PURSES.

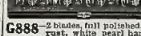
Genuine calf, made from solid piece, uniform color, red silk stitched edges, nickel plated snap. 1 doz. in box.



G881—..... Doz. $0 35
G886—3¼ " ..... " 35
G807—3¾ " ..... " 35

PEARL HANDLE PEN KNIFE ASSORTMENTS.

G888—2 blades, full polished, anti rust, white pearl handles, german silver bolsters and linings, in plush lined leatherette case, glass top. Asstd. 1 doz. in case. Doz. **$2.00**

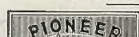


G887—4 blades, best sized, pure white pearl handles, congress and sheepfoot patterns, germansilver cap and bolster, brass lined. In black leatherette covered wood display case, plush lined, glass top. Asstd. 1 doz. in case..... Doz. $4.10

"NEVER DULL" POCKET KNIFE ASSORTMENT.

G560—Pen and jack, fine English steel, german silver cap, heavy steel bolster and shields, strong springs, each guaranteed. The best sellers, in silk lined display box. Asstd. 1 doz. in box. Doz. **$4.10**

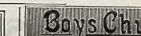
POCKET KNIFE ASSORTMENTS.



G870—4 styles, tempered steel blades, stag pattern and fancy metal handles. Asstd. 2 doz. on card. Doz. 35¢

G875—6 to 12 styles, rosewood, bone and stag pattern handles, extra choice patterns, some with chains. On oak finish easel display stand. Asstd. 2 doz. on stand..... Doz. 85¢

G560—Pen and jack, fine English steel, german silver cap, heavy steel bolster and shields, strong springs, each guaranteed. The best sellers, in silk lined display box. Asstd. 1 doz. in box. Doz. **$4.10**

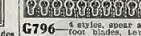


G796—4 styles, spear and sheep foot blades, tempered, best, steel and bright handles, nickel plated chain. Asstd. 1 doz. on card. Gro. $4.80. Doz. **40c**

Glass Top Case—2 and 3 blades, asstd. patterns and sizes, white bone, rosewood and stag handles, steel caps, bolsters and shields. In imit. leather case, hinged metal frame, glass cover. 2 doz. in asst.

G894—25c Asst..... Doz. $1 95
G803—Better value..... " 2 10

"PREMIUM WATCH" POCKET KNIFE OFFER.



G886—24 styles, 3 blades, pearl, stag, rosewood, ebony and bone handles, garnished American watch included. In velvet lined wood display tray. 2 doz. in case..... Doz. $2.15

"NEVER DULL" AMERICAN MADE POCKET CUTLERY

WARRANTED NEVER DULL CUTLERY

packages. ¶ Note—We guarantee "Never Dull" Cutlery against all imperfections in material and workmanship. Any piece proving unsatisfactory will be replaced. Every piece absolutely guaranteed. We have handled this famous brand for years. Made under our own supervision. All blades finished after grinding, giving extra sharp edge. Put up in very attractive packages.

G697—Box Spring. 2 in. coiled wire spring for displaying pocket knives. 2 doz. in box..... Doz. **20¢**

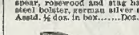
G800—3¼ in., 1 blade, stained bone handle, heavy steel barlow bolster. ¼ doz. in box..... Doz. **$1.85**

G501—3¼ in., 2 blades, double swaged, rosewood handle, heavy pattern, steel bolster and lining. ¼ doz. in box..... Doz. **$1.95**

G509—3 in., 2 blades, rosewood handle, stool bolster and lining. ¼ doz. in box..... Doz. **$1.85**

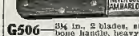
G504—3¼ in., 2 blades, double swaged, rosewood handle, easy opener pattern, steel bolster and lining. ¼ doz. in box..... Doz. **$2.15**

G503—3¼ in. 2 blades, rosewood handle, steel bolster and lining, german silver shield. ¼ doz. in box..... Doz. **$2.20**



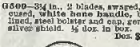
G805—3¼ in., 2 blades, clip and spear, rosewood and stag handles, steel bolster, german silver shield. Asstd. ¼ doz. in box..... Doz. **$2.25**

G506—3¼ in., 2 blades, stained bone handle, heavy steel barlow bolster. ¼ doz. in box. Doz. **$2.25**



G507—Asst. 3¼ in., 2 blades, clip and spear, swaged, rosewood and stag handles, polished backs, 3 bolster and 1 shield patterns, asstd. 1 barlow, 1 stag, 3 rosewood and 1 easy opener. Asstd. ¼ doz. in box. Doz. **$2.25**

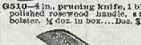
G508—"American Jack," 3¾ in., 2 blades, double swaged, rosewood and stag handles, swell pattern, brass lined steel bolster, german silver shield. Asstd. ¼ doz. in box. Doz. **$3.50**



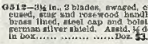
G569—3¼ in., 2 blades, swaged, crocused, white bone handle, brass lined, steel bolster and cap, german silver shield. ¼ doz. in box. Doz. **$3.75**

G510—3¼ in., pruning knife, 1 blade, polished rosewood handle, steel bolster. ¼ doz. in box..... Doz. **$3.75**

G570—"Boy Scout," 3¼ in., 2 blades, large sheepfoot, half crocused, French swaged, etched "Boy Scouts," small pen blade, stag handle, brass lined, polished inside steel bolster, german silver shield and shackle. ¼ doz. in box. Temp. Out



G519—Asst. 3¼ in., 2 blades, clip and spear, swaged, crocused and glazed, etched, stag and rosewood handles, full finished, brass lined, german silver shield, cap and bolster, easy opening and double end patterns, "S" shapes. Asstd. ¼ doz. in box. ..... Doz. **$4.00**

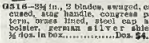


G512—3¼ in., 2 blades, swaged, crocused, stag and rosewood handles, brass lined, steel cap and bolster, german silver shield. Asstd. ¼ doz. in box..... Doz. **$3.95**

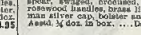
G516—3¾ in., 2 blades, swaged, crocused, stag handle, congress pattern, brass lined, steel cap and bolster, german silver shield. ¼ doz. in box..... Doz. **$4.10**

G517—Flat pen knife, 3¼ in., 2 blades, smoked pearl and shell handles, brass lined, german silver cap, bolster and shield. Asstd. ¼ doz. in box..... Doz. **$4.10**

G530—3¼ in., 2 blades, swaged, crocused, stag and rosewood handles, brass lined, german silver bolster and shield. Asstd. ¼ doz. in box. Doz. **$4.20**



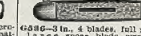
G536—3¾ in., 2 blades, swaged, crocused, buffalo horn handle, brass lined, german silver cap, bolster and shield. ¼ doz. in box. Doz. **$5.05**



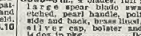
G538—4¼ in., 2 blades, extra heavy steel, swaged, crocused, stag and rosewood handles, brass lined, german silver cap, bolster and shield. Asstd. ¼ doz. in box..... Doz. **$6.00**

G536—3 in., 4 blades, full polished, large spear blade swaged and etched, pearl handle, polished inside nail nicks, brass lined, german silver cap, bolster and shield. ¼ doz. in pkg..... Doz. **$6.25**

G587—3¾ in., 4 blades, large spear blade swaged, crocused and etched, pearl handle, polished inside and back, brass lined, german silver cap, bolster and shield. ¼ doz. in box..... Doz. **$8.00**



G548—3 in., 2 blades, swaged, crocused, white pearl handle, curved, brass lined german silver cap, bolster and shield. ¼ doz. in box. Doz. **$8.75**



G553—3¼ in., 4 razor steel blades, swaged, crocused, nail file, superfine pearl handle, german silver lips, shield and lining, in kid cover. ¼ doz. in box..... Doz. **$15.00**

Sincerely, Koch, $3.35

50c "NEVER DULL" POCKET KNIVES $3.75 DOZ.

Judge the values in our "Never Dull" line by the items on this page. We have here grouped twelve best selling numbers and priced them uniformly at $3.75 per dozen. Every knife is better than usual 50c value and some retail regularly at 75c. Order a sample lot and COMPARE! See our FREE display case offer.

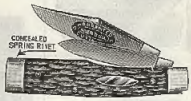
"EASY OPENER."

G523—3¼ in., 2 blades, large blade double swaged, crocused, etched, stag and rosewood handles, brass lined, polished back and inside, "Easy Opener" heavy pattern, german silver cap, bolster and shield. Assrd. ½ doz. in box. Doz. **$3.75**

DISPLAY CASE FREE!

With any order for TWO DOZEN or more knives from this page (including Asst. G599) we will furnish this showy display case FREE. Substantial easel back display case, glass front, 12 compartments, red lining, makes an attractive and efficient counter display and promotes easy sales.

DOUBLE CUT-IN SWAGED.

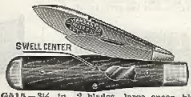


G532—3¾ in., 2 blades, large spear double cut-in swaged, etched, stag and rosewood handles, brass lined, polished back and inside, german silver shield, steel cap and bolster. Assrd. ½ doz. in box. Doz. **$3.75**

BRASS LINED.

G511—3¾ in., 2 blades, large spear blade, double swaged, etched, crocused one side, stag and rosewood handles, brass lined, full polished back, steel cap and bolster, german silver shield. Assrd. ½ doz. in box. Doz. **$3.75**

LARGE SPEAR BLADE



G515—3¼ in., 2 blades, large spear blade, double swaged, crocused, etched, stag and rosewood handles, brass lined, polished back and inside, swell center pattern, german silver steel cap, bolster and shield. Assrd. ½ doz. in box. Doz. **$3.75**

STAG AND ROSEWOOD.

G529—3¼ in., 2 blades, large spear blade double swaged, crocused, stag and rosewood handles, brass lined, polished back and inside, german silver cap, bolster and shield. Assrd. ½ doz. in box. Doz. **$3.75**

SERPENTINE PATTERN.

G581—4 in., 2 blades, large clip and small pen, swaged, crocused, stag handle, serpentine pattern, brass lined, polished inside, german silver shield, rat tail steel cap and bolster. ½ doz. in box. Doz. **$3.75**

3 BLADE STAG.

G539—Cattle, 3¼ in., 3 blades, clip, sheep foot and pen, cut-in double swaged, stag handle, brass lined, polished back and inside, german silver shield steel cap and bolster. ½ doz. in box. Doz. **$3.75**

WHITE BONE.

G531—3¾ in., 2 blades, large spear blade double swaged, crocused, etched, white bone handle, brass lined, polished back and inside, german silver shield, steel cap and bolster. ½ doz. in box. Doz. **$3.75**

HEAVY BLADE AND SPRINGS.

G514—3¼ in., 2 blades, large blade double swaged, full crocused one side, stag and rosewood handles, brass lined, polished back and inside, german silver cap, bolster and shield. Assrd. ½ doz. in box. Doz. **$3.75**

FLAT PEN.

G527—3¼ in., 3 blades, swaged, crocused, ivory, celluloid, pearl and stag handles, brass lined, polished back and inside, german silver tips and shields. Assrd. ½ doz. in box. Doz. **$3.75**

FRENCH CUT-IN SWAGED.

G535—3¾ in., 2 blades, large spear blade French cut-in swaged, crocused one side, stag and rosewood handles, brass lined, polished back and inside, german silver cap, bolster and shield. Assrd. ½ doz. in box. Doz. **$3.75**

"COMPARISON" ASST.

To acquaint you with the extraordinary values of our "Never Dull" line we have assorted one each of the knives here listed in a box. Order an assortment for comparison.

G599—Asst. One each of the 12 regular styles described on this page, as follows:

G523	G531	G514	G539
G511	G525	G532	G527
G529	G581	G515	G588

Assrd. 1 doz. in box. Doz. **$3.75**

PEARL HANDLE PEN.

G588—3¾ in., 2 blades, large blade polished one side, pearl handle, brass lined, polished inside and back, german silver cap and bolster. ½ doz. in box. Doz. **$3.75**

SALMON FISHING RODS

It is generally conceded that no fishing can equal the sport of angling for the lordly salmon and yet it is enjoyed by comparatively few. The word has gone forth that a man of ordinary means could not afford the luxury and this impression has been substantiated by the high prices asked by most dealers for salmon tackle. While we believe in encouraging the use of reliable fishing equipment we are frank in saying that the paying of high prices does not insure for the buyer superior quality. In the case of our "Powhatan" Salmon Rod forty or even fifty dollars cannot buy a better.

While many of the pools in the rivers of New Brunswick are controlled by clubs, there is much open water there and in Newfoundland all the rivers can be fished by anyone. We will, upon request, be glad to tell you where and when to go and what to take.

"POWHATAN" SALMON RODS

Hand made from selected six strips heavy enameled split bamboo, and is very strong and serviceable. Has three pieces, extra tip, solid German silver mountings, extra heavy welted and reinforced ferrules which are serrated to prevent breaking the rod at the joints. Double cork grip, snake guides with agate-first guide and top and wound at close intervals with silk.

No. 3S. Length 14 or 15 feet, weight about 20 ozs. . **$30.00**

The above are the standard lengths, but 16 or 17 feet will be furnished to order at the same price.

"LITTLE RIVER" SALMON ROD

An excellent rod for small or medium sized salmon or for Grilse, and appeals to the angler who visits salmon waters only occasionally and does not want to invest a larger amount.

It has a double cork grip, snake guide and all German silver mountings. Made in three pieces with extra tip.

No. 5S. 12 feet long, weight about 13 ozs. **$15.00**

"EXTRA" SALMON RODS

An inexpensive rod that will land salmon or grilse but does not have that elegance of "feel and finish" which are characteristic of our higher priced rods. It is fine for those who want an inexpensive rod and is often purchased as an "extra" for use in case of accident to a better grade of rod. Made of six strip split bamboo, solid metal reel seat, double grip, snake guides and three ring tops. For convenient carrying it is made in four pieces with extra tip.

No. 12. Length 12½ feet. weight about 17 ozs. . . . **$10.00**

We carry in stock Hardy Bros. English Salmon rods costing as high as $75.00 each particular of which will be sent upon request.

Delivery Prepaid in U. S. if Cash is Sent with Order at Above Prices

SPLIT BAMBOO RODS

"POWHATAN" EIGHT STRIP TROUT ROD

The "Powhatan" hand-made Fly Rod possesses all the fine qualities that go to make fly casting a pleasure. The balance is perfect and the distance and ease with which a line can be cast is really remarkable.

It is made in eight sections and consequently nearer round than the usual bamboo rod. For this reason a much finer action is possible, besides the eight strip construction utilizes all the outside enamel of the cane, making the rod much stronger. The German Silver mountings are hand made. The ferrules are serrated and it is next to impossible to break them. The guides are snake pattern except the first, which is agate, as are the tops. The grip is solid cork shaped to fit the hand. Furnished with a leather case, the two tips being first put up in a bamboo case.

No. **V.** 8½ feet, weight 4 to 4¾ ounces.....
No. **W.** 9 feet, weight 5 to 5¼ ounces..... } **$35.00**
No. **X.** 9½ feet, weight about 5¾ ounces.....
No. **Z.** 10 feet, weight about 6¼ ounces.....

"POWHATAN" SIX STRIP TROUT ROD

In quality, workmanship and finish this rod is equal in every way to the "Powhatan" eight strip. Six strips of selected split bamboo are used and difference in price is due to the difference in time required to construct.

No. **V6.** 8½ feet, weight 4 to 4¾ ounces.....
No. **W6.** 9 feet, weight 5 to 5¾ ounces..... } **$25.00**
No. **X6.** 9½ feet, weight about 5¾ ounces.....
No. **Z6.** 10 feet, weight about 6¼ ounces.....

THE "CHIEF" FLY OR BAIT ROD

Our "Chief" is a rod any fisherman will be proud of. It is made with the greatest care from six-strip bamboo in three pieces—butt, middle joint and tip and is supplied with an extra tip. The "hang" is just right and the resiliency well worked out from tip to butt. All styles have agate first guides and agates at end of tips. The other guides are snake pattern on the fly rods and trumpet guides on the bait rods. Welted ferrules and hand made skeleton reel seats below the grip on fly pattern and above the hand on the bait style. Full German Silver mounting and shaped cork grip.

Fly Rods		Bait Rods		
No. **O1.**	7½ feet, weight 3½ oz.	No. **O7.**	6½ feet, weight 6 oz.	**$17.00**
No. **O2.**	8½ feet, weight 4¼ oz	No. **O8.**	7½ feet, weight 7 oz.	
No. **O3.**	9½ feet, weight 5¼ oz.	No. **O9.**	8½ feet, weight 8 oz.	

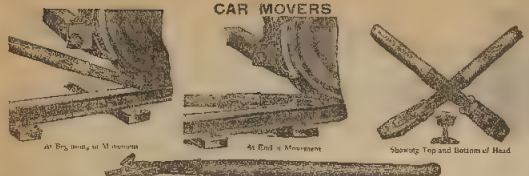
THE "VON" ROD

For those who want a good, well made rod at a medium price we heartily recommend the "Von." The action is quick and the balance excellent. It is hand wrapped six strip hexagonal bamboo of sleected stock with German Silver mountings. Agate first guide and tops and shaped cork hand grasp, and put up in velvet covered forms, with leather ends and canvas bag.

Fly Rods		Bait Rods		
No. **1A.**	9 feet, weight 5½ oz.	No. **4A.**	6½ feet, weight 6½ oz.	**$12.00**
No. **2A.**	9½ feet, weight 6¼ oz.	No. **5A.**	8½ feet, weight 8 oz.	
No. **3A.**	10 feet, weight 7 oz.	No. **6A.**	10 feet, weight 10 oz.	

Delivery Prepaid in U. S. if Cash is Sent with Order at Above Prices

CAR MOVERS



BADGER

The Most Powerful Device Made for Handling Freight Cars

Has Two "Never-slip" Four Cornered Spurs which Grip the Outer Edge of the Rail where it is Soft and Not Affected by the Top of the Rail, which Has Become Case Hardened from Contact with Car Wheels. These Spurs Can be Removed and Turned Three Times and Ends Changed around the Edges Become Dull. By Use of the Double Spur a Double Lever from the Rail is Obtained and Thereby Double Resistance Offered against Slipping. It is also Provided with a Claw, which is Hooked to the Tongue for Main Lever in such a Way that, when the Handle is Pressed Down at Lengthens, and Pushes the Wheel, Adding an Immense Rolling Power.

So Constructed, that when the Handle is Raised to Push the Mover Forward it Raises the Spur from the Rail, thus Doing Away with All Springs which Weaken and Wear Out and Become a Source of Detriment and Trouble.

No. B Black Japanned Malleable Iron Socket and Steel Tool Steel Spurs. Hard Maple Handle, Varnished. Two Cents Length Ogee All Over Spur. Weight, each lbs. $0 60

Easy Sales. Diameter of Handle at Socket 1¼ inches. With Best Lever Set of Spurs. Weight, each lbs. $0 60

Loose

CROW BARS

Solid Forged Steel, Oil Finish, Tempered Point, Tapered Round Handle, Octagon Square Shoulder

No. WP WEDGE POINT					
Weight, Lbs	12	16	20	25	30
Length, Feet	4½	4½	5	5	5 to 6
Size Square Inches	1	1¼	1½	1¾	2
Per Pound, All Sizes					29 68
Weight, Lbs	32	36	+30	+33	+36
Length, Feet	6½	6½	6	6	6
Size Square Inches	1¾	1¾	1¾	1¾	1¾
Per Pound, All Sizes					$0 26

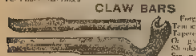
No. PP—PINCH POINT					
Weight, Lbs	23	24	26	28	30
Length, Feet	4½	5	4½	5	5 to 6
Size Square Inches	1¼	1¼	1¾	1¾	1¾
Per Pound, All Sizes					$0 60
Weight, Lbs	21	21	+30	+33	+33
Length, Feet	6	6	6½	6½	6
Size Square Inches	1¼	1½	1¾	1¾	1¾
Per Pound, All Sizes					$0 60

+No. LB—LINING BAR; DIAMOND POINT

Used for Lining up and Prying Rails into Position

Weight, Lbs	18	23	34
Length, Feet	5	5 to 6	5 to 6
Size Square, Inches	1¾	1¾	1¾
Per Pound, All Sizes			$0 07

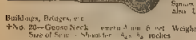
CLAW BARS



Forged Steel, Oil Finish, Tempered Claw, Octagon Square Shoulder, Round Handle, Square Striking Face for Driving Spikes, Prying Rails into Line and Loosening Ballast

	Per Pound
Buildings, Bridges, etc.	$0 10

+No. 20—Goose Neck. Length About 30 Inches. Weight About 10 lbs. Size of Bar ¾ inches Square Shoulder 1¼ inches



+No. 28—Yarona Pattern; with Heel. Length About 30 Inches. Weight About 10 lbs. Size of Square Shoulder 1¼ inches

$0 10

Loose

RAILROAD TRACK TOOLS

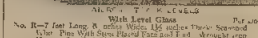
ALSO TRACK LEVERS

With Level Claws — Per Inches

No. R—7 feet Long, 8 inches Wide, 1½ inches Thick, Seasoned Tyler Pine With Steps Placed Fast and Tied Arrangement Handle, One End Cut in Steps to Obtain Convenient Grasp. Weight 9 lbs. each $35.00

HUNTINGTON TRACK GAUGES — Per Dozen

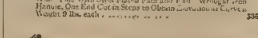
No. 655N Standard Gauge 4 feet 8½ inches Between Points of 6 feet Over All Square Iron or Gas Pipe Seam Legs from Diameter, Threaded and Riveted onto Malleable Iron Sectional Track Rests. Milled Track Bushings with Machined Socket Openings, One End Arched, with Double Track Bar, the Whole Secure a True Right Angle Assuring the Inaccuracies in Frogs, Curves and Switches, which Arise from the Use of Ill-fitting Track Gauges . . . $31.50



No. 29 RAIL TONGS

Forged Tool Steel Oil Finish, Hardened Jaws, Square Finish 1¼ inch Round Handles, Squared Arms, Heavy Steel Rivet

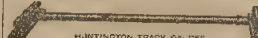
+No. 30—For 35 to 100 lb. Rails; Width of Jaw Ends to End 4 feet; Drop 1 foot. Weight About 30 lbs. . . . Per Pound $0 10



No. 31—TIE TONGS

Forged Tool Steel, Oil Finish, 1¼ inch Round Handles, Squared Arms, Heavy Square Bit

	Per Pound
+No. 31—For Carrying Ties Weighing 200 lbs. and Under Wide Jaw End to End 34 inches Drop 12 inches. Weight 15 lbs.	$0 10



Loose

Items Marked + Not Carried in Stock; Can be Furnished Only by Shipping Direct from Factory

TRACK TOOLS

TRACK OR SPIKE MAULS

Solid Cast Steel, Oil Finish; Polished and Hardened Faces, Eyes Bored Large and Jag Spall Ends; Used by Track Layers, Sidewalk Builders, etc., for Heavy Driving.

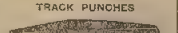
REGULAR PATTERN

No. R—Weight 10 lbs., Length 12½ inches	Per Pound
Diameter of Large End 1¾ inches	
Small End 1⅝ inch.	$0.15 30

No. P—PITTSBURGH OR BELL PATTERN

Weight, Lbs	8	10	12
Length, in.	12	14½	16
Diameter of Large End, In.	1¾	1¾	1¾
Diameter of Small End, In.	1¼	1¼	1¼
Per Pound, All Sizes		$0.15	30

TRACK PUNCHES



Solid Cast Steel, Oil Finish, Hardened and Polished Faces. Oval Eyes, Width 2¼ inches. Punch Used for Driving Bolts Into or Out of Fish Plates.

No. TP	
Weight, Lbs	4 to 5
Length, Inches	7½ to 8
Diameter Face, Inches	1¾ to 1¾
Per Pound, All Sizes	$0.18

Loose

+ M GROW With Wrench

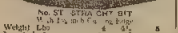
TRACK CHISELS

Solid Cast Steel, Oil Finish, Polished and Hardened Edge, Tempered Bit, Octagon Eye for Casting Rails, Chain, Bars or Any Metal Material.

No. CF—CURVED BIT

With 13½ inch Curving Edge

Weight, Lbs	4	4½
Length, Inches	8½	9
Diameter Eye, Inches	1¼	1½
Per Pound, All Sizes		$0.25



No. ST STRAIGHT BIT

With Flat Face and Cutting Edge

Weight, Lbs	4	5
Length, Inches	8½	9
Diameter Face, Inches	1¼	1½
Per Pound, All Sizes		$0.25

TAMPING BARS

Solid Forged Steel, Oil Finish, Tempered Point, Round Tapered Handle, Octagon Shank, Square Shank

+No. TB

Used for Driving Ballast Under Railroad Ties

Weight, Lbs	18	20
Length, In.	6	6
Size of Tamper, Inches	1¼x2½	1¼x2½
Per Pound, All Sizes		$0.20

RAIL FORKS

Forged Steel, Oil Finish, Round Handles, Two Point and Offset or One End; Chisel Point on Other End

	Per Pound
+No. 0—Weight About 13 lbs., Length 30 inches, Size of Handle 1¼ inches, Size 6x6 Inch; Width across Prongs 3 inches	$0.15

Loose

RAIL BENDERS

Heavy Forged Steel, Natural Finish

Frame Steel Bending Screw with Square Machine Cut Threads; Bolted Steel Cross Bar

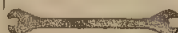
TRACK WRENCHES

Drop Forged, Solid Steel, Oil Finish; Hardened Ends

+No. 4—STRAIGHT SINGLE END

Length 24 inches

Opening, Inches	1⅛	1⅜	1⅝
For Nut, Inches	1⅛	1⅜	1⅝
Weight About, Lbs	5	5½	6
Per Pound, All Sizes			$0 11



+No. 5 STRAIGHT DOUBLE END

Length 24 inches

Opening, Inches	1⅛ and 1⅜	1⅝ and 1⅞
For Nut, Inches	⅞ and ⅞	⅞ and ⅞
Weight About Lbs.	6	7
Per Pound, All Sizes		$0 18

+No. 8—"S" WRENCH DOUBLE END

Length 24 inches

Opening, Inches	1⅛ and 1⅜	1⅝ and 1⅞
For Nut, Inches	⅞ and ⅞	⅞ and ⅞
Weight About Lbs.	8½	8½
Per Pound, All Sizes		$0 18

Loose

SCREW BENDER

1½ inch Holes in Head to Receive Lever Bar

No.	1N	2N	3N	4N	5N
Size of Screw, Inches	1⅛	1⅛	1⅜	1⅝	1⅜
Diameter Screw, Inches	2½	2¾	2¾	1¾	1¾
Span, Inches	38	44	20	16	14
Bends Rails, Lbs.	80 to 100	60 to 75	40 to 55	25 to 30	12 to 20
Weight Each, Lbs.	225	175	125	85	70
Each	$30.00	43.00	32.50	24.50	20.50
	28.00	39.50	29.50	23.50	19.50

No.	1B	2B	3B	4B	5B
Size of Screw, Inches	1⅛	1⅛	1⅛	⅞	⅞
Diameter Screw, Inches	3	3	2¾	2¼	2
Span, Inches	38	24	20	16	14
Bends Rails, Lbs.	80 to 100	60 to 75	40 to 55	25 to 30	12 to 20
Weight Each, Lbs.	225	175	125	85	70
Each	$51.00	47.50	35.00	28.50	24.00
	48.00	39.50	31.00	25.50	21.50

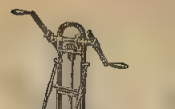
Loose

Items marked + not carried in stock; can be furnished only by shipping direct from factory.

"DIAMOND EDGE IS A QUALITY PLEDGE"

TRACK DRILLS

For Drilling Rails Somerset Spec. Etc.



+NEW PAL. US VERTICAL

The Apex or Standard Direct Working with Greater Power and Less Strain than with a Horizontal Drill. The Lever Plows in the Arc of the Circle and Consequently Assumes of Motion or Time in Every Part. Lever Action Shifting Device. Not of Self-acting from Top to Bottom Out of Way of Feeding Train. The Top of Frame is Thumb Bolt, Resisting the Hooks, which are Lifted Out of the Way.

The Feed is Automatic and Requires no Adjustment.

Improved Malleable Iron T Frame, Steel, Hooks, Gear Wheels and Adjustable Crank, Improved Handle, Height, 82 inches, Width of Frame, 30 inches, Length of Base Plate 22 inches, Length of Handle Cranks 11 inches.

STYLE A

The Standard Style of Clutch

For Drilling Center or High T Rails and Structural Flanges. Style D is for Drilling Close to Rail, Flexible Interchangeable with Style A.

		Each
No. AD12	Axle, Regular Twist Bit, Square and 2 Taps, to	$44 00
No. AFT—	With Rich Spindle and 1 Flat Bit, to	45 00

Weight of Drill, about 55 lbs.

STYLE D

For Drilling Center or High T Rails and Structural Flanges. Style D is for Drilling Close to Rail, Flexible Interchangeable with Style A.

		Each
No. DRD—	With Regular Twist Bit, Rich Spindle and 1 Taper Drill	$44 00
No. DFR—	With Rich Spindle and 1 Flat Bit	45 00

Weight of Drill, about 55 lbs.

Items Marked "Z" Not Carried in Stock. Can Only be Furnished by Shipping Direct from Factory, Harvey, Ill.

GILLAND HORIZONTAL

A Light, Reliable and Serviceable Drill. The Crank Shaft is Ball Bearing. By Shifting the Feed Gear to Various Positions, Any Angle of Hole from Plates or Frogs Can Be Reached Without Removing the Frame from the Rail.

	Without Drill Bit Take Square Shank Drills	Each
No. BD—	Wrought Iron Frame, Cast Steel Ratchet with 16-inch Wrought Iron Lever. Length of Stroke 12 inches, Diameter of Feed Wheel 7 inches, Diameter of Feed Screw ¾ inch. Length of Face 7 inches. Weight 27 lbs.	$5 50

Loose

BELAND FLAT TRACK DRILL BITS

Size Inches	0.15	.16	.17	.18	.19	.20
Per Doz. Lbs.	4½	⅝	⅝	⅝	⅝	⅝
Per Dozen	$7 00	$ 7 00	$ 7 00	$ 7 00	$ 7 00	$ 7 00

All Sizes.

JACK SCREWS

+NORSHAP

Wrought Iron Screws Steel Top. Heavy Cast Iron Body and Head. Self Shipped Buttons Painted Red. For Use in Raising Buildings, Bridges, Railroad Cars, Locomotives, Etc.

CAPACITY IN TONS

Diameter of Screw Inches	1	1½	2	2½	3	4	5
Cut Feet Thick	10	12	16	20	24	26	28

STOCK SIZES

Nos.	81½	101½	121½	141½	161½	181½	201½	241½	281½	321½	361½	401½
Diameter Screw Inches	1	1¼	1½	1¾	2	2¼	2½	2¾	3	3½	3½	4
Height Screw Inches	6	10	12	14	16	18	20	22	24	28	32	36
Height Down Inches	4	6	7	8	9	10	11	12	13	15	17	19
Height Down Inches	11	16	19	22	25	28	31	34	37	43	49	55
Weight, each, Lbs.	1½	2	3	4	5	6	7	8	9	11	13	15
Each	$ 3 00	$ 3 00	$ 3 75	$ 4 20	$ 4 80	$ 5 10	$ 5 40	$ 5 70	$ 6 00	$ 6 60	$ 7 20	$ 7 80

+FACTORY EQUIPMENT SIZES

Nos.	83½	103½	123½	143½	163½	183½	203½	243½	283½	323½	363½	403½
Diameter Screw Inches	1	1¼	1½	1¾	2	2¼	2½	2¾	3	3½	3½	4
Height Screw Inches	6	10	12	14	16	18	20	22	24	28	32	36
Height Down Inches	4	6	7	8	9	10	11	12	13	15	17	19
Height Shoot Inches	11	16	19	22	25	28	31	34	37	43	49	55
Weight, each, Lbs.	1½	2	3	4	5	6	7	8	9	11	13	15
Each	$ 3 00	$ 3 00	$ 3 75	$ 4 20	$ 4 80	$ 5 10	$ 5 40	$ 5 70	$ 6 00	$ 6 60	$ 7 20	$ 7 80

Nos.	84½	104½	124½	144½	164½	184½	204½	244½	284½	324½	364½	404½
Diameter Screw Inches	1	1¼	1½	1¾	2	2¼	2½	2¾	3	3½	3½	4
Height Screw Inches	6	10	12	14	16	18	20	22	24	28	32	36
Height Down Inches	4	6	7	8	9	10	11	12	13	15	17	19
Height Shoot Inches	11	16	19	22	25	28	31	34	37	43	49	55
Weight, each, Lbs.	1½	2	3	4	5	6	7	8	9	11	13	15
Each	$ 3 00	$ 3 00	$ 3 75	$ 4 20	$ 4 80	$ 5 10	$ 5 40	$ 5 70	$ 6 00	$ 6 60	$ 7 20	$ 7 80

JACK SCREWS

+ TELESCOPE JACK

Malleable Iron Stand. Cast Steel Outside Cylinder Screw. Machinery Steel Inner Screw. Malleable Iron Swivel Cap. Wrought Iron Lever. The Head has Three openings to Receive the Lever, Suiting the Jack for Use in Crowded Places. The Telescope Screw Jack Works Twice as Rapidly as the Single Screw and Requires no More Power and Gives an Extra Long Lift.

Nos.	T45	T45	T47	T48
Height when Down Inches	8	12	18	16
Raising Life Inches	8	12	18	16
Capacity Tons	5	5	10	25
Weight of Jack Lbs.	8	31	55	160
Each	$12 00	16 00	30 00	57 00
	19 50	24 00	38 00	86 00
With Spring Ratchet Head Add, Each	$5 00	$ 6 00	$ 8 00	$ 12 00
	8 00	12 50	12 50	18 50

+DOUBLE MOVEMENT

For Upper and Lower Nuts and the Ratchet Wheel and Lever are Malleable Iron, and the Screw is High Grade Machinery Steel.

The Jack Will Travel as Rapidly as the Single Screw, and has the Fast Gain. The Pressure Is Always Under the Cap of the Jack. Is Not Raised Over the Surface of the Thread of the Upper Nut, thus Greatly Increasing the Ratio of Friction, It Requires no more Power to Operate than the Single Screw.

The Screw Threads on these Jacks Are Square and Have Square Side to the Load. This Makes a Bracket Thread Which, in Connection with the Material of the Screw, is Extremely Strong and Durable.

Cast Steel Base with Malleable Iron Ratchet Head

Cast Steel Base with Swivel Head

Cast Steel Base with Spring Ratchet Head

Cast Steel Base with Swivel Head

No.	T12	T23	T25	T36	T37	T38
Each	$10 00	10 00	10 00	7 00	18 00	20 00
	16 00	16 00	16 00	27 00	28 00	33 00

No. 12—Iron Body Cast, Trimmed and Painted, for any Heavy Work in the Field.

No. 23—Same Size for General Car Track Bag Work.

No. 14—To Equip on Engine for Emergency Use on the Road.

Nos. 16 and 17—For General Purposes.

With Ground or Low Down Life

Especially Adapted for Bridge Track Work, but is Equally Useful for any Track Service as Well as for General Purposes.

Nos. 36 and 37—For General Purposes.

Nos. 18 and 38—Suitable for Many Kinds of Railroad Work and for Rail or Movers and Timbers Also.

No. 38—Adapted to any Kind of Car or Locomotive Work.

No. 38—Is Fitted Under Flanges and Swinging Crosshead Anywhere a Long Run of Screw is Required.

Nos. 27 and 28—For General Work.

WITH FORGED LEVER RATCHET

Nos.	S12	S23	S30	S47	S18	S35	S36	S21	S21½	S22	S33
Each	11 00	15 00	15 00	25 00	27 00	25 00	30 00	35 00	45 00	45 00	50 00
	24 00	24 00	24 00	35 00	40 00	35 00	48 00	56 00	72 00	73 00	80 00

WITH SPRING RATCHET

Nos.	SW12	SW13	SW43	SW48	SW37	SW10	SW38	SW21	SW21½	SW22	SW33
Each	15 00	15 00	15 00	15 00	15 00	17 00	22 00	27 00	37 00	35 00	40 00
	12 00	12 00	12 00	23 00	25 00	25 00	32 00	45 00	59 00	56 00	61 00

WITH SIX WAY HEAD

Nos.	SW12	SW13	SW43	SW48	SW37	SW10	SW38	SW21	SW21½	SW22	SW33
Each	15 00	15 00	15 00	15 00	15 00	17 00	22 00	27 00	37 00	35 00	40 00
	12 00	12 00	12 00	23 00	25 00	25 00	32 00	45 00	59 00	56 00	61 00

CAPACITIES, CHARGES ONS AND WEIGHTS OF DOUBLE MOVEMENT JACK SCREWS

Number of Jack	12	14	16	17	18	20	21	21½	22	33
Capacity Tons	15	15	15	15	15	25	25	25	50	50
Height Jack when Down	17	17	13	14	20	19	26	26	27	33
Lowering Screw	6	6	7	6	8	6	12	6	24	18
Raising Screw Inches	2	2	2	2	2	2½	2½	2½	3	3
Weight, Lbs.	21	23	30	38	50	47	90	70	125	145

Items Marked "Z" Not Carried in Stock, Can Only be Furnished by Shipping Direct from Factory, Dayton, Ohio.

"DIAMOND EDGE IS A QUALITY PLEDGE"

WESTLEY-RICHARDS REPEATING RIFLE

THE WORLD'S MOST POWERFUL BIG BORE RIFLE

This rifle is adapted for big game, such as the grizzly bear, lion and other dangerous animals and has a tremendous striking power combined with extreme accuracy. The mean velocity of bullet is 2350 f. s. and the energy 5022 f. lbs. Hundreds of them have been used successfully by East African hunters on elephants, rhinoceros, buffalo and smaller game.

It is highly recommended by the well-known hunter, F. C. Selous, and Edward C. Crossman, America's foremost rifle expert says: "The .425 with both capped and solid bullet blasted thru one-half inch of steel with a tensile strength of 65,000 pounds, making a hole nearly an inch across. For a light, tremendously powerful rifle this is at the head of the list. I would put more faith in this gun for a mean bear, lion or tiger than in any rifle I have seen."

SPECIFICATIONS WESTLEY-RICHARDS' "MURRAY" MODEL .425 CAL.

Take-down, round barrel, 5-shot box hinged magazine. Single trigger, bolt action. Pistol grip, checkered grip and fore end, cheek piece, rubber recoil pad. Sighted standard and 4 leaves to 500 yards, or standard and 2 leaves and tangent to 1200 yards; platina tipped bead foresight. Swivels for sling strap.

No. **M26.** 26 in. barrel, weight 9 7/16 lbs. .425 Calibre **$165.00**

No. **M22.** 22 in. barrel, weight 8 ¾ lbs, .425 Calibre **165.00**

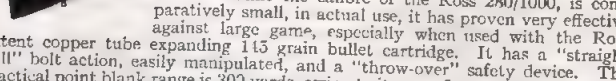
No. 35. Lyman Receiver Sight, attached **$7.00**, not attached **$5.25**

Imported Cartridges, full mantled nickel solid bullet,, in clips, 410 Gr. bullet, per 100 ... **15.00**

Imported Cartridges, round nose, capped expanding, " " " " " " " " ... **15.00**

Imported Cartridges, L.F.T. Pointed, capped expanding, " " " " " " " " ... **15.00**

THE ROSS HIGH POWER .280 CAL. RIFLE



While the calibre of the Ross 280/1000, is comparatively small, in actual use, it has proven very effective against large game, especially when used with the Ross patent copper tube expanding 145 grain bullet cartridge. It has a "straight pull" bolt action, easily manipulated, and a "throw-over" safety device. The practical point blank range is 300 yards, owing to its very flat trajectory, which is only 14 inches at 500 yards. The magazine holds 4 cartridges. Regularly fitted with single leaf rear sight and silver bead front sight.

No. **M10.** 26 or 28 in. round barrel, solid frame, weight about 7¾ lbs. **$55.00**

Extra for Folding Peep Sight, not adjustable...$4.00 No. **44.** Ivory Bead Sight..... **$ .75**

Regular Metal Cased Cartridges (180 Gr.) Box 20 .98 Ross Copper Tube (145 Gr.) Box 20 **1.50**

Rifles Delivered Prepaid in U. S. if Cash is Sent With Order at Above Prices

WESTLEY-RICHARDS REPEATING RIFLE

THE WORLD'S MOST POWERFUL SMALL BORE RIFLE

This rifle represents the latest development and highest type of Sporting Accelerated Express Magazine Rifle. It is a clip-loaded with .318 calibre rimless cartridges. For a magazine rifle the rimless cartridge is undoubtedly far less likely than a rimmed cartridge to jam within the magazine. It also lends itself to a perfect clip loading system.

The .318 Accelerated Express Rifle offers an ideal combination of the enormous striking energy associated with the .400 High Velocity Cartridge, **and of even flatter trajectory,** than the Mannlicher type of small bore rifle, and consequently it has a smaller deviation in the rise or fall of the bullet, under an error in aiming, or judging the distance, with the result that in these unfavorable conditions, killing becomes less of a chance and more of a certainty.

SPECIFICATIONS WESTLEY-RICHARDS "ROBINSON" MODEL

Round "Take-down" barrel, 5-shot, hinged cover plate on magazine. Single trigger, bolt action. Walnut stock, full pistol grip, cheek piece, checkered hand and fore-end, trap heel plate with cleaning rod and brushes. Sighted standard and 4 leaves to 500 yards, or standard and 2 leaves and tangent to 1200 yards; platina tipped bead foresight. Swivels for sling strap.

No. R26. 26 in. barrel, weight 7¾ lbs. . . . .318 calibre **$110.00**

No. R21. 21 " " " 7⅛ " . . . .318 calibre **110.00**

Imported cartridges, full mantled nickled solid bullet, in clips, 250 Gr. bullet, per 100 . . . . . 12.00
Imported cartridges, round nose, capped expanding, in clips, 250 Gr. bullet, per 100 . . . . . 12.00
Imported cartridges, L. T. Pointed, capped expanding, in clips, 250 Gr. bullet, per 100 . . . . . 12.00

No. R24. 24-inch barrel, weight 7½ lbs. for U.S. Gov. '06 cartridges **110.00**

No 35. Lyman Receiver Sight attached . . **$7.00** Not attached **$5.25**

Delivery Prepaid on rifles in U. S. if Cash is Sent with Order at Above Prices

AT 100 YDS

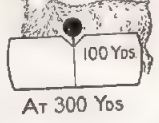
Position of shots on animal, distance 100 yards, with 100 yards' sight, taking fine bead.

Velocity at muzzle 2500 ft. sec.
Energy at muzzle 3466 ft. lbs.
Velocity at 100 yds. 2287 ft. sec.
Energy at 100 yds. 2900 ft lbs.

AT 200 YDS.

Position of shots on animal, distance 200 yards, using 100 yards' sight with full bead, correcting a bullet drop of 8½ inches.

Velocity at 200 yds. 2058 ft. sec.
Energy at 200 yds. 2418 ft. lbs.



AT 300 YDS

Position of shots, distance 300 yards, aiming with bead and stem showing through "V" of rear sight, correcting a bullet drop of 27 inches.

Velocity at 300 yds. 1916 ft. sec.
Energy at 300 yds. 2036 ft. lbs.

EXPRESS, FARM AND COASTER WAGONS.

REVOLVOC JUVENILE.

Iron Hub Wheels.

Nos.	70	71
Bed, in.	12x24	13x26
Wheels, in.	8 and 12	9 and 13
Weight, crated, lbs.	261	282
Per dozen	$30.00	34.00
	AFHJ	AIBJ
Nos.	72	73
Bed, in.	14x28	15x30
Wheels, in.	11 and 14	12 and 15
Weight, crated, lbs.	320	336
Per dozen	$39.00	44.00
	BBBJ	BEBJ

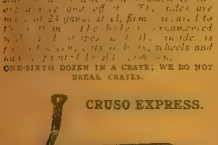
Extra Wheels, all sizes, per dozen ..... CFJ $6.00

Extra Handles, per dozen ADE 2.50

REVOLVOC Juvenile Wagons are made for the boy who will and does start out. Wheels all made to the extreme size and efficiency. Tubes are made of 24 gauge steel, firmly secured to the iron hub. Body ornamented and painted in red with white running gear. Wheels and axles painted black.

ONE-SIXTH DOZEN IN A CRATE; WE DO NOT BREAK CRATES.

CRUSO EXPRESS.



No. 80—Body 12x24 in., wheels 8x12 in., weight per doz. 360 lbs., per dozen ..... AEJJ $25.00

No. 81—Body 13x26 in., wheels 10x13 in., weight per doz. 528 lbs., per dozen ..... AGDJ $29.00

No. 82—Body 14x28 in., wheels 11x14 in., weight per doz. 646 lbs., per dozen ..... AIBJ $32.00

No. 83—Body 15x30 in., wheels 12x15 in., weight per doz. 784 lbs., per dozen ..... BAJJ $35.00

No. 84—Body 16x32 in., wheels 13x16 in., weight per doz. 1,040 lbs., per dozen ..... BDJJ $48.00

Wheels have extra heavy spokes and are bolted to thick steel hub caps, and all gear with extra brace on each side. Body is furnished in black color or natural ash. Trim in wood and bent iron, with iron arms, painted red, body and gear in contrasting colors. Bodies furnished with or without seat.

NO. 84 PACKED WITH HANDLES TWO IN A CARTON. WE DO NOT BREAK PACKAGES.

STEEL EXPRESS WAGONS.

Steel Body and Wheels.

No. 04—Body 9x18x3 in., wheels 6 and 9 in., wt per doz. 65 lbs., per dozen ..... JFGJ $18.00

No. 03—Body 10x20x3 in., wheels 7 and 10 in., wt per doz 80 lbs., per dozen ..... JGGJ $21.00

No. 02 Body 11x22x4 in., wheels 8 and 11 in., wt per doz. 120 lbs., per dozen ..... JHGJ $24.00

No. 0 Body 12x24x4 in., wheels 8 and 11 in., wt per doz. 160 lbs., per dozen ..... AJHJ $30.00

No. 1—Body 13x26x5 in., wheels 10 and 13 in., wt per doz. 168 lbs., per dozen ..... AJEJ $34.00

No. 2 Body 14x28x5½ in., wheels 11 and 14 in., wt per doz. 192 lbs., per dozen ..... ABCJ $38.00

No. 3—Body 15x30x6 in., wheels 12 and 15 in., wt per doz. 212 lbs., per dozen ..... ACDJ $42.00

No. 5—Extra heavy, body 18x36x6 in., wheels 20 and 14 in., 16 spokes, heavy hubs, tires and spokes ⅝ in. round steel axle, malleable iron gear, wt per doz. 444 lbs., per doz. BFDJ $50.00

The body is painted bright vermilion neatly striped and varnished, with the exception of the bottom board it is made of best quality sheet steel, rounded corners, top bent over a wrought iron rod, making it very firm. Black enameled wheels, steel gears.

NO. 5, ONE-TWELFTH DOZEN; BALANCE, ONE-SIXTH DOZEN IN A CARTON.
WE DO NOT BREAK CARTONS.

FARM WAGONS.

Seasoned Hardwood Frame and Wheels.

No. 355—Body 18x35x7 in., bent hounds, adjustable reach, all parts strongly ironed and braced, 24 spoke 20 in. wheel, shaved spokes, heavy wood tires, plated wrought iron hub boxes and bolt caps, 3 in. equalizer axles, complete with set bolsters and a pair of hardwood shafts for dog cart, wt per doz. 600 lbs., per dozen ..... JFCCE $150.00

This resembles a farm wagon in every respect except the bed, which can be taken off, leaving bed with stakes.

ONE IN A CRATE.

COASTER WAGONS.

No. 32—Body 13x28x3 in., wheels 8 in., stationary box, ¾ in. axle, wt per doz. 245 lbs., per dozen BBHJ $40.00

No. 33—Body 14x32x4 in., wheels 10 in., wt per doz. 390 lbs., per dozen ..... CCJJ $32.00

No. 34—Body 16x36x4 in., wheels 10 in., wt per doz. 420 lbs., per dozen ..... DJBJ $84.00

No. 35—Body 18x40x4 in., wheels 10 in., wt per doz. 450 lbs., per dozen ..... DGDJ $76.00

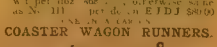
The body is constructed of well seasoned hardwood. Removable box. The metal bearing wheels are steel heavy with shaved spokes. Rear axle of 1 3/16 in. wrought steel, wood hub shrunk on strong malleable iron hub cups and bands. Gears are of number one selected stock, securely braced to body with 7-32x¾ in. round edge iron, 9-16 in. round steel axles. Steering gear is of heavy extra malleable iron and hardwood.

No. 111—Body 14½x36x4 in., white ash bottom, with removable, skeleton type express box, channel steel arch construction, ½ in. round steel front and rear axles strongly braced, malleable iron hounds and fifth wheel, heavy 8 in. roller bearing wheels, with heavy iron hub, malleable iron fellees and tires, wood spokes, reliable steering mechanism, hard maple pole, equipped with hand brake, attractively finished, wt per doz. 830 lbs., without coaster runners, per dozen ..... CGHJ $60.00

No. 112—Body, 14½x34x4 in., malleable iron fifth wheel, extra heavy 11 in. wheels, with heavy wood tires, wt per doz. 928 lbs., otherwise same as No. 111, per dozen DECE $72.00

No. 113—Body 16x40x4 in., large malleable iron fifth wheel, extra heavy 11 in. wheels, with heavy wood tires, wt per doz. 968 lbs., otherwise same as No. 111, per dozen EJDJ $80.00

COASTER WAGON RUNNERS.



No. 50—All steel round back angle runners, with shod wood sled, wt per doz. 111 lbs., per doz. $24.00

Coaster runners fit all sizes of coaster wagons.

CHILDREN'S CUTTERS, REVONOC WAGONS, ETC.

CHILDREN'S CUTTERS.

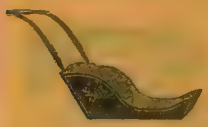
No. 580

No. 575—42x18 in., second growth hardwood, 3 bent knees, 6 tinned knee braces, oval shoes, nicely painted, decorated and striped, seat only upholstered, w't 35 lbs., per dozen .....DDDJ $72.00

No. 580—42x18 in., seat and back upholstered, w't 36 lbs., otherwise same as No. 575 ....per dozen **EIAJ** $96.00

ONE IN A CRATE.

CHILDREN'S SLED BOXES.



With Push Handles.

No. 501—29x15 in., painted red and dark colors, nicely striped and ornamented, not upholstered, heavy corner posts and a thick back, w't per doz. 90 lbs. .....per dozen **JIHE** $6.00

BOYS' GARDEN BARROWS.

No. 157—Steel sides, wood bottom, painted red with white stripes, 14 in. tinned wheel in handles, steel legs, w't per doz 120 lbs., per dozen ..... **JIJJ** $15.00

ONE-SIXTH DOZEN IN A CRATE. WE DO NOT BREAK CRATES.

REVONOC WAGONS.

For Illustrations See Color Page Opposite.

No. 20 REVONOC—Farm Wagon, 36x18 in., wheels 15 and 21 in. in diam., w't 720 lbs. ....per dozen **JHAFJ** $136.00

Has removable sides and ends, leaving the flat wagon bed for large loads. Can be stored in a small space and quickly put together. A very strong, durable wagon, built for heavy service, all parts bolted, not nailed. Attention is called to the exceptionally beautiful red and gold finish of this match. Tires are welded and spokes carefully shaved.

No. 13 REVONOC—Coaster Wagon, 13x32 in., wheels 10 in. in diam., w't 300 lbs. .....per dozen **CBDJ** $54.00

No. 14 REVONOC—Coaster Wagon, 14x34 in., wheels 11 in. in diam., w't 340 lbs. .....per dozen **CIPJ** $66.00

No. 15 REVONOC—Coaster Wagon, 14x36 in., wheels 11 in. in diam., w't 425 lbs. .....per dozen **DFHJ** $78.00

No. 16 REVONOC—Coaster Wagon, 16x38 in., wheels 11 in. in diam., w't 500 lbs. .....per dozen **EDJJ** $90.00

These wagons are strongly built of the best materials, wheels extra heavy with [illegible] tire and 3 bands. Nos. 13 and 14 equipped with hand brakes for coasting, Nos. 15 and 16 with foot brakes. Easily converted into a flat bed coaster by lifting the body

REVONOC EXPRESS WAGONS.

No. 18 REVONOC—Wagon, equipped with side boards and dash, size 32x15 in. body, 12 and 18 in. wheels, w't 300 lbs. .....per dozen **DFHJ** $78.00

This wagon has removable side boards and dash and while of light construction, the new reach from front to rear axle renders the gear very strong and substantial.

PACKED ONE IN A CRATE.

ICE WAGON WHEELS AND AXLES.

Wheels.

12 **In.**—Japanned steel, w't per doz 33 lbs. .....per dozen **JGBJ** $12.00

Axles.

18 **In.** Japanned steel, w't per doz 19 lbs. .....per dozen **CJI** $5.00

TOOL CABINETS

*DIAMOND EDGE

Diamond Edge Wall Tool Cabinet is Made of Specially Selected Oaks; Antique Finish, Varnished and Hand Rubbed; Lined and Box Base; Brass Plated Hinges and Hasp, Antique Copper Finish, with Brass Keys; Inside Drawer Tool Rack and Hangers for a Workmanship and Finish in Best Class.

Dimensions of Cabinet
Outside—24 inches High, 17 inches Wide, 6¾ inches Deep; Inside—22½ inches High, 14⅝ inches Wide, 4¾ inches Deep.

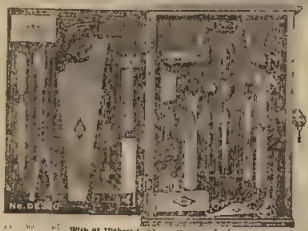
With 24 Tools and Other Accessory Articles

Each $25 00

No. DE200—Complete with 24 Tools and Other Accessory Articles
Weight of Cabinet with Tools and Crated 60 lbs.

Contents of Cabinet

1 Diamond Edge Hand Saw, No. DE150, 18 In.
1 Diamond Edge Compass Saw, No. DE12
1 Diamond Edge Interchangeable Handle Saw, No. DE1
1 Diamond Edge Rip Saw, No. DE3, 26 Inch
1 Diamond Edge Cut-off Saw, No. DE4, 26 Inch
1 Diamond Edge Keyhole Saw, No. DE5
1 Diamond Edge Compass Plane, No. DE6
1 Diamond Edge Smooth Plane, No. DE7
1 Diamond Edge Jack Plane, No. DE8
1 Diamond Edge Fore Plane, No. DE9
1 Diamond Edge Jointer Plane, No. DE10
1 Diamond Edge Block Plane, No. DE11
1 Diamond Edge Rabbet Plane, No. DE12
1 Shapleigh Edge Universal Combination Plane
1 Set Auger Bits, No. 2-10
1 Machine Auger, No. 62
1 Countersink Diamond Edge, Adjustable
1 Bevel
1 Diamond Edge Hatchet, No. DE
1 Diamond Edge Hatchet, No. DE4
1 Diamond Edge Nail Set, No. DE13
1 Steel Square, No. 100
1 Try Square, No. DE16, 6 Inch
1 Shapleigh Edge Block Plane, No. DE110
1 Diamond Edge Rabbet Plane, No. DE14
1 Shapleigh Edge Universal Combination Plane



Diamond Edge Wall Tool Cabinet is Made of Specially Selected Oak; Antique Finish, Varnished and Hand Rubbed; Lined and Box Base; Brass Plated Hinges and Hasp, Antique Copper Finish, with Two Brass Keys; Two Brass Hangers on Back; Workmanship and Finish in Best Class.

Dimensions of Cabinet
Outside—24 inches High, 17 inches Wide, 6¾ inches Deep; Inside—22½ inches High, 14⅝ inches Wide, 4¾ inches Deep.

With 21 Highest Grade Tools

Each $18 00

No. DE300—Complete with 21 Tools and Other Accessory Articles
Weight of Cabinet with Tools and Crated 60 lbs.

Contents of Cabinet

1 Diamond Edge Panel Saw, No. DE150, 18 In.
1 Diamond Edge Interchangeable Handle Saw, No. DE1
1 Diamond Edge Interchangeable Handle Saw, No. DE2
1 Diamond Edge Rip Saw, No. DE3, 26 Inch
1 Diamond Edge Cut-off Saw, No. DE4, 26 Inch
1 Diamond Edge Keyhole Saw, No. DE5
1 Diamond Edge Compass Plane, No. DE6
1 Diamond Edge Smooth Plane, No. DE7
1 Diamond Edge Jack Plane, No. DE8
1 Diamond Edge Fore Plane, No. DE9
1 Diamond Edge Jointer Plane, No. DE10
1 Diamond Edge Rabbet Plane, No. DE14
1 Diamond Edge Universal Combination Plane
1 Set Auger Bits, No. 2-10
1 Machine Auger, No. 62
1 Countersink Diamond Edge, Adjustable
2 Sheets Diamond Edge Sand Paper, Assorted
1 Package Assorted Screws
1 Package Assorted Nails
1 Diamond Edge Hatchet, No. DE4
1 Diamond Edge Nail Set, No. DE13
1 Steel Square, No. 100
1 Try Square, No. DE16, 6 Inch
1 Shapleigh Edge Universal Combination Plane

TOOL CABINETS

*BRIDGE TOOL CO.

The Bridge Wall Tool Cabinet is Made of Selected Oak and Finished with Oil; Lined and Box Base; Brass Plated Hinges and Hasp, Antique Copper Finish; Inside Drawer Tool Rack and Hangers for Two Hammers and Hatchet; Workmanship and Finish in Best Class.

Dimensions of Cabinet
Outside—24 inches High, 17 inches Wide, 6¾ inches Deep; Inside—22½ inches High, 14⅝ inches Wide and 4¾ inches Deep; Drawers 4¾ inches Deep.

With 24 High Grade Tools

Each $30.00

No. B75—Complete with 24 Tools and 1 Oil Can

Contents of Cabinet

1 Bridge Hand Saw, No. B125, 26 Inch
1 Bridge Hand Saw, No. B126, 22 Inch
1 Bridge Compass Saw, No. B127
1 Bridge Keyhole Saw, No. B128
1 Bridge Compass Plane, No. B6
1 Bridge Smooth Plane, No. B7
1 Bridge Jack Plane, No. B8
1 Bridge Fore Plane, No. B9
1 Bridge Jointer Plane, No. B10
1 Bridge Scratch Awl, No. B10
1 Bridge Hatchet, No. B4
1 Bridge Nail Set, No. B13
1 Bridge Countersink, No. B14
1 Bridge Auger Bit No. 7
1 Bridge Auger Bit No. 8
1 Bridge Auger Bit No. 9
1 Bridge Auger Bit No. 10
1 Bridge Auger Bit No. 11
1 Bridge Auger Bit No. 12
1 Bridge Auger Bit No.

TOOL SETS

*DIAMOND EDGE

With 17 Higher Grade Guaranteed Tools

Case is Made of Selected Oak, Antique Finish, Varnished and Hand Rubbed, Hinged Lid, Panty Brass Plated Steel Fingers and Hasp, And are Copper Plated Padlock With Two Brass Keys.

Dimensions of Case

Outside—27¼ inches Long, 8¾ inches Wide, 4¼ inches Deep.
Inside—26⅜ inches Long, 8 inches Wide, 3½ inches Deep.

Per Set

No. DE25—Complete with 17 Tools and Other Accessory Articles $12 00

Weight of Case with Tools 18¾ lbs. Crated 23 lbs.

Contents of Case

1 DIAMOND EDGE N. & I. Hammer, No. DE13.
1 DIAMOND EDGE Hand Saw, No. D. 26, 22 in.
1 DIAMOND EDGE Auger Bit, No. E. 7-8, 7/8 in.
1 DIAMOND EDGE Auger Bit, No. DE 10-12, 10/12 in.
1 DIAMOND EDGE Lineman Combination Plier, No. DE 206, 6½ inch.
1 DIAMOND EDGE Bit Stock, No. DE 8.
1 DIAMOND EDGE Nail Set, No. DE 1.
1 DIAMOND EDGE Countersink, No. DE 3.
1 DIAMOND EDGE Screw Driver, No. DE 5.
1 DIAMOND EDGE Screw Driver, No. DE 106.
1 DIAMOND EDGE Nail Set, No. DE 102.
1 DIAMOND EDGE Cabinet Scraper, No. DE 256.
1 DIAMOND EDGE Wrench, No. DE 1.
1 DIAMOND EDGE Blue Handle Screw Driver, No. DE 10.
1 DIAMOND EDGE Brace, No. DE 80.
1 Set 3 Sizes Solid Cast Steel Countersinks Pierced No. 2.
1 Rule, No. 60.
1 Ounce Bottle LePage's Glue.
2 Sheets DIAMOND EDGE Sandpaper.
1 Spool Copper Wire, No. 20.
1 Package No. 5 Fine Wire Nails.
1 Package Assorted Nails and Brads.
1 Package Tacks.
1 Set Oil Stones No. 6.

*DIAMOND EDGE

With 26 Highest Grade Guaranteed Tools

Plain Finished, Dovetailed Whitewood Case, Hinged Lid; Brass Plated Steel Hinges and Brass Hooks and Eyes, Stenciled.

Dimensions of Case

Outside—27 inches Long, 8¼ inches Wide, 4 inches Deep.

Per Set

No. DE260—Complete with 26 Tools. $10.00

Weight of Case with Tools 23¼ lbs.

Contents of Case

1 DIAMOND EDGE Bronze Shingling Hatchet, No. DS1.
1 DIAMOND EDGE Nail Hammer, No. DE12.
1 DIAMOND EDGE Hand Saw, No. DE 26, 22 in.
1 DIAMOND EDGE Pocket Chisel, No. DE8P, 1 in.
1 Set 4 Sizes Solid Cast Steel Countersinks.
1 DIAMOND EDGE Screw Driver, No. DE5, 6 in.
1 DIAMOND EDGE Screw Driver, No. DE106.
1 DIAMOND EDGE Wrench, No. DE1.
1 DIAMOND EDGE Auger Bit, No. DE 7-8, 7/8 in.
1 DIAMOND EDGE Auger Bit, No. DE 8-16, 8/16 in.
1 DIAMOND EDGE Auger Bit, No. DE 10-16, 10/16 in.
1 DIAMOND EDGE Auger Bit, No. DE 12-16, 12/16 in.
1 Bridge Brace, No. 809.
1 Tip Top Panel Saw, No. 210, 22 inch.
1 German Combination Bit, No. 22A, ½ inch.
1 Standard Auger Bit, ¾ inch.
1 Standard Auger Bit, ⅞ inch.
1 Standard Cast Steel Auger Bit, 1 inch.
1 Bridge Handled Bird Awl, No. 840.
1 Standard Cast Steel Auger Bit, ⅜ inch.
1 Tack Claw, No. 60.
1 Rule, No. 72.

TIP TOP.

With 27 High Grade Tools

Plain Finished, Dovetailed Whitewood Case, Stenciled Hinged Lid; Brass Plated Steel Hinges and Brass Hooks and Eyes.

Dimensions of Case

Outside—27 inches Long, 8¼ inches Wide, 4 inches Deep.

Per Set

No. 715—Complete with 27 Tools $8 50

Weight of Case with Tools 21½ lbs.

Contents of Case

1 Bridge Half Hatchet, No. BH1.
1 Bridge Brace, No. B0.9.
1 Bridge Nail Hammer, No. B12.
1 Bridge Pocket Chisel, No. B1P, 1 inch.
1 Tip Top (Panel) Saw, No. 210, 22 inch.
1 Cast Steel Auger Bit, 4-16 inch.
1 Cast Steel Auger Bit, 5-16 inch.
1 Cast Steel Auger Bit, 6-16 inch.
1 Cast Steel Auger Bit, 8-16 inch.
1 Awl and Tool Set, No. 830.
1 Block Plane, No. BX119.
1 Agricultural Wrench, 8 inch.
1 Gimlet Bit, No. 22A, ¼ inch.
1 Boxwood Rule, No. 61.
1 Level, No. 200.
1 Shapleigh's Special Oil Stone, No. 8.
1 Mound City Screw Driver, No. MC, 5 inch.

TOOL SETS

*PERFECTION

With 12 Serviceable Tools

Plain Finished, Dovetailed Whitewood Case, Hinged Lid with Hook and Eye Fasteners.

Dimensions of Case

Outside—27 inches Long, 8¼ inches Wide, 4 inches Deep

Per Set

No. P12—Complete with 12 Tools. Weight 15½ lbs. $7 00

Contents of Case

1 Bridge Brace, No. B05.
1 Tip Top Panel Saw, No. 210, 22 inch.
1 German Combination Bit, No. 22A, ½ inch.
1 Standard Auger Bit, ⅝ inch.
1 Standard Auger Bit, ¾ inch.
1 Standard Cast Steel Auger Bit, ⅞ inch.
1 Standard Cast Steel Auger Bit, 1 inch.
1 Mound City Shingling Hatchet, No. MCS1.
1 Agricultural Wrench, 8 inch.
1 Mound City Screw Driver, No. MC, 5 inch.
1 Boxwood Rule No. 61
1 Smooth Plane No. B2.

MOUND CITY TRADE MARK

*MOUND CITY

With 18 Serviceable Tools, Nails and Chalk

Plain Finished, Dovetailed Whitewood Case, Hinged Lid with Hook and Eye Fasteners.

Dimensions of Case

Outside—27 inches Long, 8¾ inches Wide, 4 inches Deep

Per Set

No. MC50—Complete with 18 Tools, Weight 25 lbs. $6.50

Contents of Case

1 Mound City Shingling Hatchet No. MCS1.
1 Mound City Screw Driver, No. MC, 4 inch.
1 Mound City Brace, No. MCB.
1 Wonder Panel Saw, No. 1902, 18 inch.
1 Bridge Handled Bird Awl, No. B40.
1 Standard Auger Bit, ⅜ inch.
1 Standard Auger Bit, ½ inch.
1 Standard Auger Bit, ⅝ inch.
1 Tack Claw, No. KB.
1 Tack Hammer, No. 200.
1 Pair Hasps, No. 85.
1 Bridge Buck Plane, No. BX1.0.
1 Marking Gauge, No. 0.
1 Nail Set, No. 42½.
1 Bridge Socket Firmer Chisel, No. BPX, 1 inch
1 Pair Carpenters Chalk Line.
1 Carpenters Lead Pencil, No. 67
2 lbs. Assorted Nails.

MOUND CITY TRADE MARK

*MOUND CITY

With 31 Serviceable Tools and Nails

Plain Finished, Dovetailed Whitewood Case, Hinged Lid with Hook and Eye Fasteners.

Dimensions of Case

Outside—27 inches Long, 8¾ inches Wide, 4 inches Deep

Per Set

No. MC25—Complete with 31 Tools. Weight 30 lbs. $4.50

Contents of Case

1 Mound City Shingling Hatchet No. MCS1.
1 Mound City Screw Driver No. MC, 4 inch.
1 Mound City Brace, No. MCB.
1 Wonder Panel Saw, No. 1902, 18 inch.
1 Bridge Handled Bird Awl, No. B40.
1 Standard Auger Bit, ¼ inch.
1 Standard Auger Bit, ⅜ inch.
1 Standard Auger Bit, ½ inch.
1 Tack Claw, No. KB.
1 Tack Hammer, No. 200.
1 Nail Hammer, No. 85.
2 lbs. Assorted Nails.

NORTHWESTERN CONE BATCH MIXERS.

The Northwestern Cone Batch Mixer combines four principles which are most in demand by contractors, through long usage and practicability. First, the conical type—second, the long cylinder—third, the closed discharge end—and fourth, the low open charging end. These principles insure speed, control of mixed materials, convenience in loading and unloading, easy access for cleaning, adjustability of paddles, and correct mix of the materials.

Drum—The drum is a tapered high carbon steel plate cylinder with conical ends, made of heavy steel castings, having wide bearings and carried on four chilled cast steel cast rollers. The drum is driven by a standard link chain on the large end. The sprocket is cast integral with the drum end. The ends are held together by means of six heavy rods.

Discharge Door—This is a new patented device, controlled by a lever within the reach of operator and free from all danger. This door permits dumping of a part of or a full load, as desired. The entire mix can be unloaded in approximately three revolutions of the drum. The material is carried to the door by means of a chute on the inside of drum, so shaped that it will aid in mixing when door is closed.

Charging End—This end is set low, and has a large opening, from 16 in. to 24 in., depending on the size of the machine. It permits three or four men to throw material directly into the machine, also permits dumping from wheelbarrows without any delay. When wheelbarrows are used a standard hopper is necessary.

Paddles—The paddles are made of steel plate and securely fastened to the ends holding the two ends together. These paddles are separated from the shell, preventing any lodging of material in pockets, and making the machine easy to clean. The paddles carry the material forward and up, dropping the mixture in a sort of spray. The chute throws the mixture back towards the charging end, creating a "whirlpool" mix.

Frame—The frame is made entirely of steel, riveted and braced, maintaining perfect alignment and insuring long life. The frame is mounted on heavy truck wheels and axles, the faces of the wheels are amply wide to carry the full load.

Chain Drive—The Northwestern Cone Mixer is driven by a chain belt, of standard type, easily replaced and very inexpensive.

Lubrication—All bearings and journals are lubricated through hard oil cups and are so arranged as to force the hard oil to the spot needed.

Power—The No. 105TE Housed Mixer, shown above, is equipped with a four cycle, hopper cooled, jump spark ignition 2½ horse power engine giving ample power to handle the full load. The engine is thoroughly reliable.

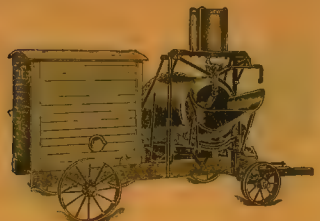
Capacity—The mixer shown is a 5 ft. size, that is, it will mix thoroughly five feet of mixed material at each batch or six feet of loose material. This machine will mix as much material as the so-called six and seven foot machines of other makes. The shape of drum gives added capacity and prevents slopping.

Portability—This machine is easily handled by two or three men and can be moved about the job without the use of a team of horses. The Northwestern Cone is furnished in the standard type with housing for engine, standard hopper for wheelbarrow and hand pole. A water tank is not needed with this machine, as water is thrown into the machine through the large open end.

No. 105 Cone Mixer on skids with pulley, each★	ADDEJ	$257 50
No. 105E—Cone Mixer on skids with engine, each★	BEEIJ	420 50
No. 105T Cone Mixer on trucks with pulley, each★	AGGFJ	296 00
No. 105TE—Cone Mixer on trucks with engine, each★	BGICJ	465 50
No. 105½—Wood Housing for above★, each	AEIJ	26 50

★FOR FACTORY SHIPMENT ONLY, F. O. B. EAU CLAIRE, WIS.

NORTHWESTERN CONE BATCH MIXERS.



The Northwestern Cone Mixer shown on this page is the standard No. 10TE equipped with gasoline engine, automatic water tank and wood housing. This type is furnished in three sizes and with equipment as listed below.

Construction—This machine is the same style as the No. 105, except that it is much heavier in construction throughout. The shape of the drum, discharge door, the charging end, the paddle arrangement, the frame and mountings are of the same general design.

Equipment—Nos. 107, 110 and 120 can be furnished with side loader, batch hopper, either gasoline or steam engine, water tank, and wood or steel housing.

SMALL SIZE, Capacity 8 Cubic Feet Unmixed, 6 Cubic Feet Mixed Material.

No. 107—Cone mixer, on skids with pulley, no engine, w't each 1,750 lbs.★ ..... each **BEFEJ** $457.50

No. 107E—Cone mixer, on skids, with 4 H. P. gasoline engine, w't each 2,775 lbs.★ ..... each **CEAJJ** $685.00

No. 107T—Cone mixer, on trucks, with pulley, no engine, w't each 2,035 lbs.★ ..... each **BGIJJ** $465.00

No. 107TE—Cone mixer, on trucks, with 4 H. P. gasoline engine, w't each 2,715 lbs.★ ..... each **CFIJJ** $615.00

No. 7WH—Wood housing for engine, w't each 151 lbs., extra★ ..... each **AJBJ** $18.00

No. 7SH—Steel housing for engine, w't each 197 lbs., extra, each★ ..... **BGIJ** $45.00

No. 7WT—Automatic water tank with frame, w't each 107 lbs., extra★ ..... each **BGJJ** $45.00

No. 7SL—Side loading attachment with double hoists, w't each 165 lbs., extra★ ..... each **AABEJ** $187.50

No. 7BH—Batch hopper, w't each 165 lbs., extra, each★ ..... **EDIJ** $90.00

MEDIUM SIZE, Capacity 12 Cubic Feet Unmixed, 9 Cubic Feet Mixed Material.

No. 110—Cone mixer, on skids, with pulley, no engine, w't each 2,975 lbs.★ ..... each **CJAEJ** $802.50

No. 110E—Cone mixer, on skids, with 5 H. P. gasoline engine, w't each 3,570 lbs.★ ..... each **DFHJJ** $780.00

No. 110S—Cone mixer, on skids, with 4 H. P. steam engine, w't each 4,165 lbs.★ ..... each **DEJJJ** $765.00

No. 110T—Cone mixer, on trucks, with pulley, no engine, w't each 2,570 lbs.★ ..... each **CEHEJ** $547.50

No. 110TE—Cone mixer, on trucks, with 5 H. P. gasoline engine, w't each 3,890 lbs.★ ..... each **DIEJJ** $825.00

No. 110TS—Cone mixer, on trucks, with 4 H. P. steam engine, w't each 4,465 lbs.★ ..... each **DHFJJ** $810.00

No. 10WH—Wood housing for engine, w't each 202 lbs., extra, each★ ..... **ACEJ** $22.50

No. 10SH—Steel housing for engine, w't each 250 lbs., extra, each★ ..... **CFJJ** $60.00

No. 10WT—Automatic water tank, with frame, w't each 110 lbs., extra★ ..... each **CFJJ** $60.00

No. 10SL—Side loading attachment with double hoists, w't each 656 lbs., extra★ ..... each **ACEJJ** $225.00

No. 10BH—Batch hopper, w't each 190 lbs., extra, each★ ..... **EHEJ** $97.50

LARGE SIZE, Capacity 24 Cubic Feet Unmixed, 15 Cubic Feet Mixed Material.

No. 120—Cone mixer, on skids, with pulley, no engine, w't each 3,030 lbs.★ ..... each **DCBJJ** $720.00

No. 120E—Cone mixer, on skids, with 8 H. P. gasoline engine, w't each 3,700 lbs.★ ..... each **JGFIEJ** $1,282.50

No. 120S—Cone mixer, on skids, with 6 H. P. steam engine, w't each 6,400 lbs.★ ..... each **JGJBJ** $1,170.00

No. 120T—Cone mixer, on trucks, with pulley, no engine, w't each 3,365 lbs.★ ..... each **DIJEJ** $817.50

No. 120TE—Cone mixer, on trucks, with 8 H. P. gasoline engine, w't each 5,050 lbs.★ ..... each **JHCBEJ** $1,387.50

No. 120TS—Cone mixer, on trucks, with 6 H. P. steam engine, w't each 6,750 lbs.★ ..... each **JGFEJ** $1,275.00

No. 20WH—Wood housing for engine, w't each 300 lbs., extra, each★ ..... **AHJ** $30.00

No. 20SH—Steel housing for engine, w't each 360 lbs., extra, each★ ..... each **DEJJ** $75.00

No. 20WT—Automatic water tank with frame, w't each 120 lbs., extra★ ..... each **DEJJ** $75.00

No. 20SL—Side loading attachment, with double hoists, w't each 853 lbs., extra★ ..... each **ADHEJ** $247.50

No. 20BH—Batch hopper, w't each 250 lbs., extra, each★ ..... **JGBJJ** $120.00

SPECIAL CATALOGUE. We will mail upon application, a special factory catalogue, showing detailed description of the above Mixers and Attachments.

★*FOR FACTORY SHIPMENT ONLY, F. O. B. EAU CLAIRE, WIS.*

"VICTOR" BICYCLES, $25.00

Every part of the Victor is constructed with a view of giving the utmost satisfaction to the rider, and the improved model is guaranteed to be fully up to the high standard established by manufacturers years ago, when high-grade bicycles were sold at from $50.00 to $100.00. New methods of manufacture and our economical system of marketing goods enables us to offer this fine bicycle at a net price of only $25.00.

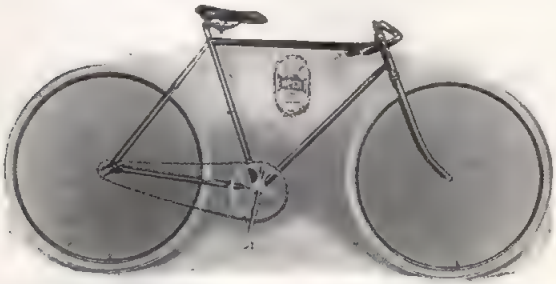
The material used is the finest that money can buy, the parts are accurately made and fitted, and the finish is excellent.

The "Victor" is built on honor, and carries our unqualified recommendation.

Dark Brown with Black Head or Shaker Gray and Orange Head
(Front and Rear Mud Guards $1.00 extra)

Supplied in Dark Brown with Black Head only
Delivery Prepaid in U. S. if Cash is Sent with Order at Above Prices

"EXPERT BICYCLES $20.00



Our improved "Expert" is a strong, reliable bicycle. The tubing is two gauges heavier than is used by most manufacturers, reinforced, and our improved system of pinning and brazing makes a perfect joint at the connections.

Special attention is called to the easily removable one piece hanger with extra large scientifically hardened cups, cones and bearings.

The frames are hand rubbed before being enameled and the nickel-plating is put on over copper, making an excellent finish.

It is a good, all round bicycle built for service and if ordered with good equipment, will give the same satisfaction as wheels costing twice its price.

MEN'S DIAMOND FRAME

Frame—Full flush joint; 1 inch tubing; height of men's frames, 20, 22 and 24. 26 inch made to order at $1.00 extra.

Fork Crown—Drop forged, three plate pattern, ribbed reinforced fork.

Wheels—28 inch; Standard No. 2 swaged spokes heavily plated; first quality enameled single piece wood rims, concave hubs.

Sprockets—Detachable front and rear.

Bearings—Large ball bearing throughout.

Chain—3/16 inch roller pattern.

Cranks—Drop forged; one piece crank and axle. Can be taken out without removing cups.

Gear—Men's 81; 26 front, 9 rear. Option, 26x10—73 or 26x8—91.

Finish—Blue with aluminum colored head or black with red head; ribbing on fork enameled to correspond.

WOMEN'S DROP FRAME

Frame—Full flush joint; drop pattern; 1 inch tubing; height of frames, 21 and 23 inches.

Fork Crown—Drop forged, extra strong, three plate pattern.

Wheels—28 inch; Standard No. 2 swaged spokes, heavily plated; first quality enameled single piece wood rims, concave hubs.

Sprockets—Detachable front and rear.

Bearings—Large ball bearing throughout.

Chain—3/16 inch roller pattern.

Cranks—Dropped forged; one piece crank and axle. Length of cranks, 6½ inches.

Mud Guards—Both mud and chain guards furnished, attractively laced.

Gear—70; 20 front, 8 rear.

Finish—Women's black finish only. All parts except frame and forks heavily nickel plated on copper.

EQUIPMENT

Following is the regular equipment on our Expert when ordered complete. When special equipment is required it will be supplied at an extra cost. Tool bag and tools cost 60c extra.

Tires—"Subway," single tube: unguaranteed. "Expert" tires $1.00 extra. Continental Single Clinch detachable tires $3 00 extra. U S. (G.&J.) Double Clinch detachable tires $4.50 extra.

Saddle—Competition, good pattern, padded, good shape.

Handle-Bars—Regular adjustable or Extension bars, as specified.

Pedals—Rat trap or combination. **Brakes**—Duck Roller Hand Brake $1.00 extra.

Coaster-Brake—$5.00 extra. To facilitate prompt shipments, we carry in stock, Expert Bicycles equipped with the Atherton Coaster-Brake, which always gives satisfaction. Other makes furnished if specified after short delay.

Delivery Prepaid in U. S. if Cash is Sent with Order at Above Prices

CANOES, ROW BOATS, OARS, ETC.

INDIAN GIRL CANOES.

Both Grades A and B have the same constructive features in common, stems of elm, steam bent, ribs and planking of white cedar, seats hand caned, polished brass stem bands, exposed fastenings, of copper or brass, ribs are 2x⅞ in. at centers, tapering to 1⅝ in. at the gunwales and spaced 2 in. apart. The planking is ⅛ in. thick, nailed with square seams and clinch-fastened with tacks. Nos. 1, 2, 3, 4, 5 and 6 are covered with No. 10 special weave duck canvas and Nos. 7 and 8 are covered with No. 8 duck canvas, painted in three shades of green, moss, each painters, and light brilliant, also tuscan red, an extra coat of $1.00 and up is made for other colors.

No. 1 Grade A Length 15 ft., beam 32 in., depth amidships 12 in., depth fore and aft 21 in., stem, ribs and planking are cut all from inside finished decks, thwart, gunwales, inwales and seat frames of selected cherry, grating of ash, one shaped thwart at center of canoe, the inwales are rabbeted for the planking and pocketed to take the ends of the ribs, the grating, six light strips fastened to skin-fitted thwartship timbers, is held in place by a brass floor button at each end, w't each 50 to 62 lbs., each★ ..... EJGE $84.60

No. 2—Grade B—Length 15 ft., beam 32 in., depth amidship 12 in., depth fore and aft 21 in., stems, ribs and planking sound, but not as select as used in Grade A, deck, thwarts, covering strips, inwales and seat frames of selected ash or oak, this grade is by no means as strong or as handsome as Grade A, but has proved to be entirely satisfactory, no grating is furnished with this grade except as an extra, w't each 56 to 60 lbs.★ each DAJE $68.40

No. 3—Grade A—Length 16 ft., beam 32 in., depth amidships 12 in., depth fore and aft 21 in., otherwise same as No. 1 Grade A, w't each 60 to 66 lbs., each★ ..... EBIJ $88.20

No. 4 B Grade Length 16 ft., beam 32 in., depth amidships 12 in., depth fore and aft 21 in., otherwise same as No. 2 Grade B, w't each 58 to 64 lbs., each★ ..... DCBJ $72.00

No. 5—Grade A Length 17 ft., beam 33 in., depth amidships 12 in., depth fore and aft 21 in., otherwise same as No. 1 Grade A, w't each 65 to 70 lbs., each★ ..... EDJ $94.00

No. 6 Grade B Length 17 ft., beam 33 in., depth amidships 12 in., depth fore and aft 21 in., otherwise same as No. 2 Grade B, w't each 60 to 66 lbs., each★ ..... DDCJ $78.00

No. 7—Grade A Length 18 ft., beam 33 in., depth amidships 12 in., depth fore and aft 21 in., otherwise same as No. 1 Grade A, w't each 75 to 85 lbs., each★ ..... EFAE $98.60

No. 8—Grade B Length 18 ft., beam 33 in., depth fore and aft 21 in., otherwise same as No. 2 Grade B, w't each 70 to 80 lbs.★..... each DFDE $77.40

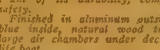
Write for special Canoe Catalogue for list of extras and fittings.

MULLIN'S STEEL BOATS.

No. 316—"Sultan," length 16 ft., beam 50 in., height bow 25 in., stern 23½ in., amidships 15 in., w't about 225 lbs., rated 260 lbs., with one pair 7½ ft. straight feathered ash oars, each★ ..... DDCJ $73.80

Is modeled on perfect lines, and will make an admirable boat for family or fishing use where a good capacity is required, the best boat for children, as it is roomy and very steady. Easy to row. It will carry three grown persons on account of its durability, comfort and safety.

Finished in aluminum outside, light blue inside, natural wood trimmings, large air chambers under decks like a life boat.



No. 27—"Rustle," length 14 ft., beam 50 in., 12 in. high to top of coaming at ends, 10 in. high amidships, cock pit 9 ft. long, 30 in. wide regular fittings and air chambers on sides, w't each 120 lbs., packed for shipment 140 lbs., each★ ..... CBDJ $54.00

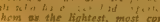
Is recognized wherever it is used as the standard of strength and durability, and there are very few boats in existence that can equal them as the lightest, most convenient and safest duck boats built. They are painted a dead-grass color, and are assured of a neat and tasty craft. 60 chambers at both ends like a life boat. The outfit complete consists of a bottom board, movable seat, oars and oarlocks and one long or short paddle. No. 27 carried in stock in Chicago.

PLAIN OARS.

White Ash, Selected Straight Grain, Reinforced Blade.

No. 55—Length, ft.	6	6½	7
Per pair	$2.00	2.16	2.32
	ADJ	AEJ	AFJ
No. 55—Length, ft.	7½	8	
Per pair	$2.48	2.64	
	AGE	AIJ	

SPOON BLADE OARS.



Spruce, Selected White Material, Copper Tipped, Leather Oar Lock Shields, Finished with Best Spar Varnish.

No. 111 Length, ft.	7	7½	8
Per pair	$5.88	6.25	6.72
	DJE	DCJ	

AVERAGE W'T PER PAIR 7 LBS

COPPER TIPPED OARS.

White Ash, Selected Straight Grain, Reinforced Blade.

No. 75—Length, ft...	6	6½	7
Per pair	$2.12	2.32	2.40
	AEJ	AFE	AGJ
No. 75—Length, ft.	7½	8	8½
Per pair	$2.64	2.80	2.92
	AIJ	BJE	BBJ

Spruce, Selected Material, Straight Blade.

No. 89—			
Length, ft.	6½	7	7½	8
Per pair	$2.60	2.80	3.00	3.20
	AHJ	AIE	BAJ	BCJ

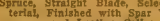
AVERAGE W'T PER PAIR 6 LBS.

Spruce, Straight Blade, Selected Material, Finished with Spar Varnish and Leather Collar.

No. 90—Length, ft..	7	7½	8
Per pair	$4.64	4.96	5.28
	BHJ	BIE	CAE

AVERAGE W'T PER PAIR 7 LBS.

CANOE PADDLES.



Spruce, Plain Tip, Selected Material, Finished in Oil.

No. 80—				
Length, ft.	4½	5	5½	6
Per dozen	$27.00	27.00	27.00	27.00
	AGCJ	AGCJ	AGCJ	AGCJ

AVERAGE W'T PER DOZEN 18 LBS.

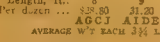
PUSH PADDLES.

White Ash, Plain Tip, Selected Straight Grain.

No. 85—				
Length, ft.	8	9	10	
Per dozen	$28.80	31.20	34.80	
	AGCJ	AIDE	BAFJ	

AVERAGE W'T EACH 3¾ LBS.

WATER WINGS.



No. 1—Ayvad's, plain, each **BFJ** $4.30
No. 2—Ayvad's, variegated colors, better quality and finish than No. 1, each ..... CCE $5.60

Easily adjusted; a good pocket life preserver, great sport in the water. Can be brought instantly into use, with them any one can swim or float. Supports from 80 to 100 pounds. If children or others are taken in water over their depth, they will not sink; for this reason it is well for all to learn to swim, and for the inexperienced swimmers.

★FOR FACTORY SHIPMENT ONLY. CANOES, F. O. B. RUSHMORE, N. Y. BOATS, F. O. B. SALEM, O.

ROW BOATS, CANOES, ETC.

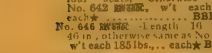
FISHERMEN'S BOATS.

No. 642—Length 12 ft., beam 42 in., depth of sides 15 in., painted two coats of Marine green outside and slate color inside, the planking is of selected cypress, the bottom of ⅝ in., running lengthwise and fastened to oak ribs, the sides of ½ in., in two pieces, lap strake, and thoroughly fastened gunwales, seat risers and seats of cypress, knees, stem and transom of oak caulked with cotton, one pair side plate sockets, one pair stra ght copper tipped and varnished oars with North River locks, three seats, w't each 140 lbs. . . . . each★ **BJJB** $33.40

No. 644—Length 14 ft., beam 44 in., two pair of side plate sockets, four seats, otherwise same as No. 642, w't each 160 lbs., each★ . . . . . **BBDE** $37 40

No. 646—Length 16 ft., beam 46 in., otherwise same as No. 644, w't each 185 lbs.. . . each★ **BEFJ** $42.70

SQUARE STERN CLINKER OR FAMILY BOATS.



No. 514—(Grade A) —Length 14 ft., beam 42 in., depth bow 23 in., amidships 15 in., aft 22 in., painted with three coats of Marine green outside, the gunwales, inwales, breast hooks, corner bucks, seat risers, seats, flooring, rudder, yoke, reclining back and three top strakes, planking inside and out are filled and finished with three coats of Marine varnish, the keel, stem, stern-post and transom are of the best quality of selected oak, the planking of selected white cedar in narrow strakes and copper fastened, the ribs are of vase shaped selected white oak, steam bent to place and copper fastened, gunwales and inwales are of selected white ash, bow and aft seats "V" shaped to fit boat, the rowing seats of cypress all securely fastened, brass screws being used throughout, two pair of polished brass side plate sockets, polished bronzed seat hangers to row or sail by, stem band, one pair of straight copper tipped oars, feathered and varnished with polished brass locks oak rudder and yoke with bronze hangers and steering lines, oak reclining back to aft seat, foot braces and painter, four seats, w't each 130 lbs. . . . . each★ **EJFJ** $84.30

No. 616—(Grade A) —Length 16 ft., beam 44 in., depth, bow 24 in., amidships 15 in., aft 23 in., otherwise same as No. 514, Grade A, w't each 153 lbs . . . . . each★ **EGCJ** $95.50

No. 614—(Grade B)—Length 14 ft., beam 42 in., depth bow 23 in., amidships 15 in., aft 22 in., two pair of galvanized side plate sockets, galvanized seat hangers and stem band, one pair of straight copper tipped and varnished oars fitted with North River locks, otherwise same as No. 514, Grade A, w't each 130 lbs . . . . each★ **DAFJ** $69 30

No. 616—(Grade B)—Length 16 ft., beam 44 in., depth bow 24 in., amidships 15 in., aft 23 in., otherwise same as No. 614, Grade B, w't each 165 lbs.. . . . . each★ **DHJJ** $83 00

DOUBLE END OUTING BOATS.

No. 713½—(Grade A)—Length 13½ ft., beam 42 in., depth amidships 14 in., painted with three coats of Marine green outside, gunwales, breast hooks, seats and sheer strakes are filled and finished with three coats of Marine varnish, inside of hull and gratings are painted, three coats of light wood color, stem, stern-post, keel and ribs are of selected air dried white oak, planking of selected cypress, copper fastened, rowing seats of cypress, gratings of cedar on cypress to fit each section of bottom, and are removable, two pair of galvanized side plate sockets bolted to place, galvanized stem band, one pair straight copper tipped and varnished oars, fitted with North River locks, and painter, four seats, w't each 160 lbs. . . . . each★ **CJDJ** $50 70

No. 715—(Grade A) Length 15 ft., beam 44 in., depth amidships 14 in., four seats, otherwise same as No. 713½ Grade A, w't each 160 lbs. . . . . each★ **CGIJ** $56 00

No. 813½—(Grade B)—Painted with three coats of a dead grass color inside and corresponding green on the outside, fitted with stemmes of galvan zed or tinned iron, otherwise same as No. 713½ Grade A, w't each 130 lbs. . . . . each★ **BIIJ** $46 70

No. 815—(Grade B)—Length 15 ft., beam 44 in., depth amidships 14 in., four seats, other same as No. 813½ Grade B, w't each 140 lbs. . . . . each★ . . . . . **CABJ** $52 00

SQUARE STERN BOATS.

The Construction, Fittings and Finish Are the Same as in the Double End Outing Boat, But Has Greater Carrying Capacity and Seaworthy Qualities and Is Recommended for Open Waters and Large Lakes.

No. 911—(Grade A)—Length 11 ft., beam 44 in., depth amidships 15 in., otherwise same as No. 713½ Grade A, w't each 120 lbs . . . each★ **BIGE** $49 60

No. 1013—(Grade B)—Length 13 ft., beam 44 in., depth amidships 15 in., otherwise same as No. 813½ Grade B, w't each 120 lbs . . . each★ **BGBJ** $45 30

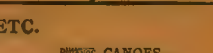
No. 913—(Grade A) Length 13 ft., beam 46 in., depth amidships 15 in., otherwise same as No. 713½ Grade A, w't each 140 lbs . . . each★ **CCFJ** $56 00

No. 1013—(Grade B)—Length 13 ft., beam 46 in., depth amidships 15 in., otherwise same as No. 813½ Grade B, w't each 140 lbs . . . each★ **CJDE** $50.70

No. 915—(Grade A)—Length 15 ft., beam 48 in., depth amidships 16 in., four seats, otherwise same as No. 713½ Grade A, w't each 160 lbs . . . each★ **CHDJ** $64 00

No. 1015—(Grade B) Length 15 ft., beam 48 in., depth amidships 16 in., four seats, otherwise same as No. 813½ Grade B, w't each 160 lbs . . . each★ **CEBJ** $58 70

CANOES.



No. 1216—Length 16 ft., beam 31½ in., depth amidships 12 in., canvas cemented to outside of hull in one piece, hard wood and varnished, interior, gunwales, thwarts, seats and breast hooks are finished in natural wood with a good grade of Marine varnish, the exterior is finished with enamel gloss in any color desired, keel stems, gunwales and breast hooks of clear white oak, ribs of northern white cedar in continuous lengths, steam bent, planking of northern white cedar, securely fastened to ribs with copper clinch nails, brass stem bands at bow and stern, one single varnished maple paddle 5 ft long and two cane seats, w't each net 80 lbs, crated 130 lbs. . . . . each★ **CGHJ** $63 00

No. 1217—Length 17 ft., beam 32 in., depth amidships 12 in., otherwise same as No. 1216, w't each net 85 lbs, crated 140 lbs . . . each★. . . . . **DJEJ** $67.60

No. 1218—Length 18 ft., beam 32 in., depth amidships 12½ in., otherwise same as No. 1216, w't each net 90 lbs, crated 145 lbs each★ . . . . . **DCBJ** $72.00

In shipping canvas covered canoes they are covered with burlap, for which a charge of $2.00 is made, on return of this cover, prepaid to factory this amount will be refunded.

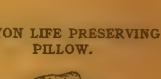
EXTRAS.

No. 14—Extra paddles, spruce or maple, 4½ to 6 ft. . . . . each★ **AEJ** $2 50

No. 18—Cane seats, with bolts . . . each★ . . . . . **BAJ** $1 50

No. 16—Pantasote seats, with bolts, each★ . . . . . **AEJ** $2.50

KENYON LIFE PRESERVING PILLOW.



No. 10—Size 15×15 in., covered with a high grade of Spanish leather, w't each 1 lb. . . . . each **ABJ** $2.00

These pillows are made from the marvelous flax called "KAPOC" which when thrown upon the water, floats like an air bubble, and so resilient that when used for cushions or pillows they always maintain their shape and uniformity of appearance, even after years of service.

★*FOR FACTORY SHIPMENT ONLY.* *ROW BOATS, F. O. B. CHICAGO.* *CANOES, F. O. B. MUSKEGON, MICH.*

Fine Hand Carved Imported Cuckoo Clocks

Imported from the Black Forest, (Schwarzwald) Germany

TRADE MARK

[illegible] Black Forest Cuckoo Clocks are stamped with above trade mark.

The carving of these clocks is done by hand by the natives of the Black Forest in solid walnut [illegible] fine. The figures are [illegible] and strong.

The fronts of these clocks are made of the choicest of wood of opposite grain and are set together to prevent warping and cracking.

The movements are made of the best tempered steel wire [illegible] with solid brass pallet pivoted wheels, new escape wheel and [illegible] pinions. The same are guaranteed to be correct time-keepers.

Every clock that leaves our establishment has been [illegible] and thoroughly tested before being sent out, and is warranted. If properly used to be a good timekeeper. Should it ever crack or split it will be exchanged or repaired without charge.

Each clock is adjusted, regulated and packed in a strong wooden box.

Breakage guaranteed.

CUCKOO CLOCK

Height, 19 inches; width, 12 inches, half-hour strike and call. German walnut or oak with small ash [illegible] and gilt ornaments; small size movement; front of case made of three layers of wood.

No. 44 . . . . . Each, $12.25

CUCKOO CLOCK

Height, 21 inches; width, 14 inches, dial, 5½ inches. Half-hour strike and call; solid walnut or oak case with [illegible] ash, elm and mahogany ornaments; large size G. K. movement; front of case made of three layers of wood.

No. 75 . . . . . Each, $13.65

CUCKOO CLOCK

Height, 20 inches; width, 14 inches, dial, 5½ inches, half-hour strike and call; solid walnut or oak; large size G. K. movement; front of case made of three layers of wood.

No. 32 . . . . . Each, $15.50

CUCKOO CLOCK

Height, 23½ inches, width, 15½ inches; dial, 6¼ inches; half-hour strike and call; solid walnut or oak with cherry ornaments, large size G. K. movement; front of case made of [illegible] layers of wood.

No. 37 . . . . . Each, $16.00

CUCKOO CLOCK

Height, 30 inches; width, 13½ inches; dial, 5¼ inches, half-hour strike and call, solid walnut or oak, large size G. K. movement, front of case made of three layers of wood.

No. 42 . . . . . Each, $26.50

FINE HAND CARVED IMPORTED CUCKOO, AND QUAIL AND CUCKOO CLOCKS

Each Clock is Adjusted, Regulated and Packed in a Strong Wooden Box. Breakage Guaranteed.

Prices Each

CUCKOO CLOCK

Height, 19 inches; width, 14 inches; dial, 5¾ inches; half-hour strike and call; solid walnut or oak; large size G. K. movement, front of case made of three layers of wood.
No. 39 ..... Each, $20.15

Imported from the Black Forest (Schwarzwald), Germany

CUCKOO CLOCK

Height, 19 inches; width, 14 inches; dial, 5¾ inches; half-hour strike and call; solid walnut or oak; large size G. K. movement, front of case made of three layers of wood.
No. 117 ..... Each, $20.85

CUCKOO CLOCK

Height, 21 inches; width, 14 inches; dial, 5¾ inches; half-hour strike and call; solid walnut or oak; large size G. K. movement, front of case made of three layers of wood.
No. 24 ..... Each, $24.30

CUCKOO CLOCK

Height, 20 inches; width, 12½ inches; dial, 5¾ inches; half-hour strike and call; solid walnut or oak; large size G. K. movement, front of case made of three layers of wood.
No. 42 ..... Each, $18.50

CUCKOO CLOCK

Height, 25 inches; width, 16 inches; dial, 6 inches; solid walnut or oak, large size G. K. movement, front of case made of three layers of wood.
No. 84 ..... $25.50

QUAIL AND CUCKOO CLOCK

Height, 21 inches; width, 14 inches; dial, 5 inches; quarter hour strike and call; solid walnut only, with hand rubbed, ebony and mahogany trimmings; three-quarter size G. K. movement; front of case made of three layers of wood.
No. 45 ..... Each, $37.85

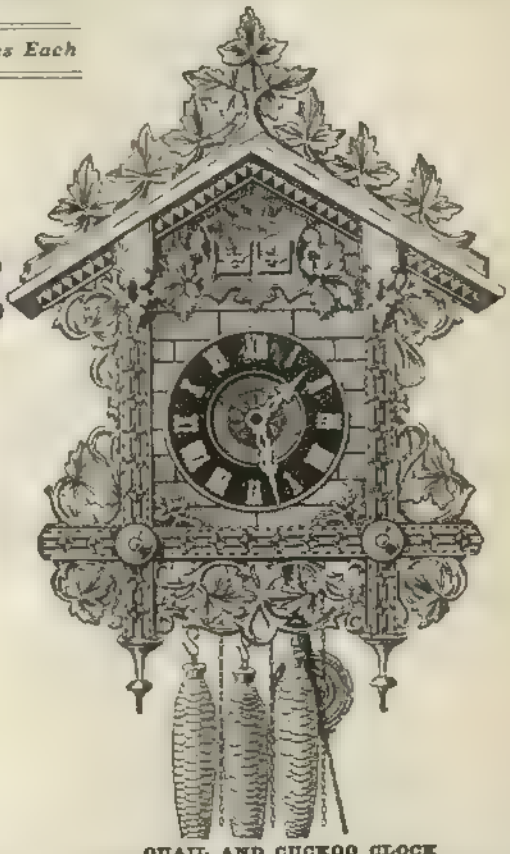
Fine Hand Carved Imported Quail and Cuckoo Clocks

Trade Mark

Prices Each

QUAIL AND CUCKOO CLOCK
Height, 20 inches; width, 14 inches; dial 6 inches; quarter-hour strike and call, solid walnut only, three-quarter size G K movement; front of case made of three layers of wood
No. 68 ..... Each $29.90

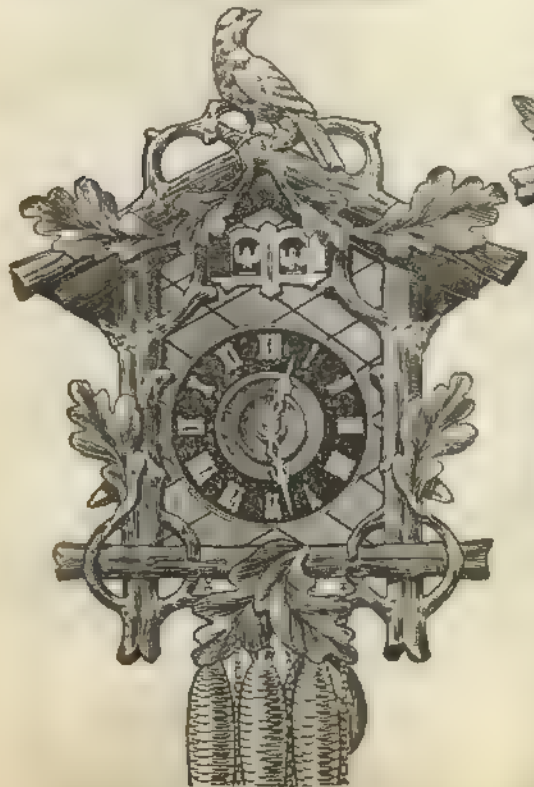
QUAIL AND CUCKOO CLOCK
Height 26 inches; width 17 inches; dial, 6¾ inches; quarter-hour strike and call, solid walnut or oak; large size G K movement, front of case made of three layers of wood
No. 10 ..... Each $47.25



QUAIL AND CUCKOO CLOCK
Height 2[illegible] inches, width 17 inches; dial, 6¾ inches; quarter hour strike and call; solid walnut or oak, with inlaid ash, ebony and mahogany ornaments; large size G K movement; front of case made of three layers of wood
No. 7 ..... Each $3.65

Imported from the Black Forest (Schwarzwald), Germany

Each Clock is adjusted, Regulated and Packed in a Strong Wooden Box. Breakage Guaranteed

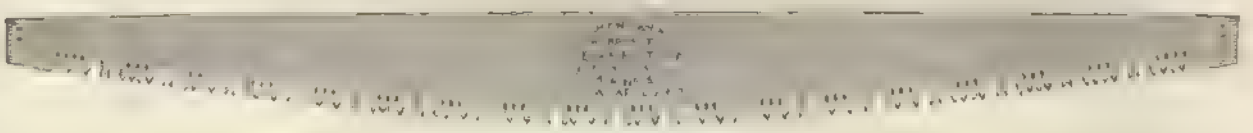


QUAIL AND CUCKOO CLOCK
Height, 21½ inches; width 16½ inches; dial, 6¾ inches; quarter-hour strike and call; solid walnut or oak; large size G K movement, front of case made of three layers of wood
No. 46 ..... Each, $38.20

QUAIL AND CUCKOO CLOCK
Height, 21 inches; width, 16 inches, dial, 6¾ inches, quarter-hour strike and call solid walnut or oak; large size G K movement front of case made of three layers of wood
No 3 ..... Each $36.80

QUAIL AND CUCKOO CLOCK
Height 26 inches width, 18 inches dial 6¾ inches quarter hour strike and call solid walnut or oak large size G K movement front of case made of three layers of wood
No 11 ..... Each $5.00

CROSS CUT SAWS

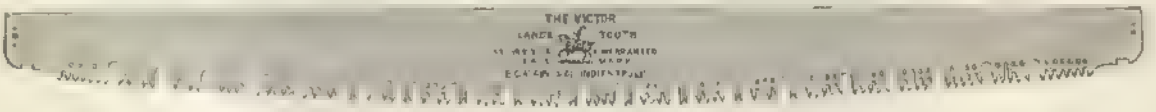


Atkins' Perfection

Length, feet, 14 x 19 gauge	5	5½	6	6½	7	7½
Weight each, pounds	5	5½	7	7½	8	9
No. 5 Silver Steel, segment ground, each	$4 10	4 80	5 60	6 40	7 11	8 30

Atkins' Rex

Length, feet, 14 x 19 gauge	5	6	6	7
Weight each, pounds	5½	7½	8	9
No. 2 Silver Steel, segment ground, each	$4 8	5 60	7 40	7 30

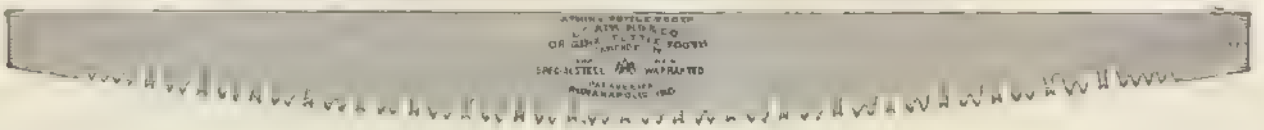


Atkins' Victor

Length, feet, 14 x 18 gauge	4½	5	5½	6	6½	7	7½
Weight each, pounds	4	4½	5	6	7	7½	8½
No. 225 Special Steel, each	$2 88	3 20	3 52	3 84	4 16	4 48	4 80

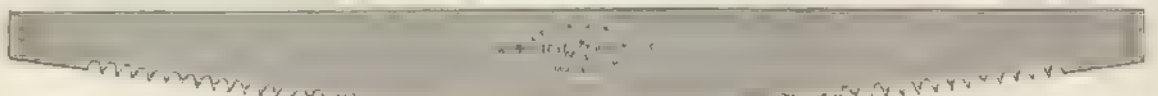
Atkins' Diamond

Length, feet, 14 x 18 gauge	5	5½	6	6½	7	7½
Weight each, pounds	4½	5	6	6½	7	8
No. 222 Special Steel, Diamond tooth, each	$3 00	3 30	3.60	3 90	4 20	4 50



Atkins' Tuttle Tooth

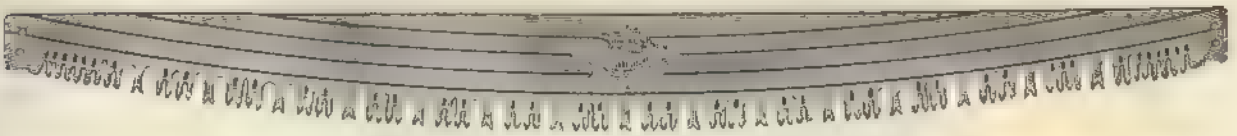
Length, feet	5	5½	6	6½	7
Weight each, about pounds	5	5	7	8	10
No. 330 Special Steel, 14 x 16 gauge, each,	$2.40	2 64	2.88	3 12	3 36
No. 331 Special Steel, 14 x 18 gauge, each,	....	2.86	3.12	3.38	....
No. 332 Special Steel, 14 x 19 gauge, each,	....	3.36	3.62	3.88	....



Atkins' Common Tooth

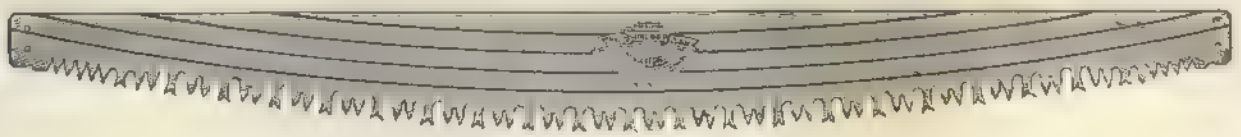
Length, feet, 14 x 16 gauge	5½	6	6½
Weight each, pounds	5½	6½	7
No. 337 Special Steel, each,	$2.64	2.88	3.12

CROSS CUT SAWS



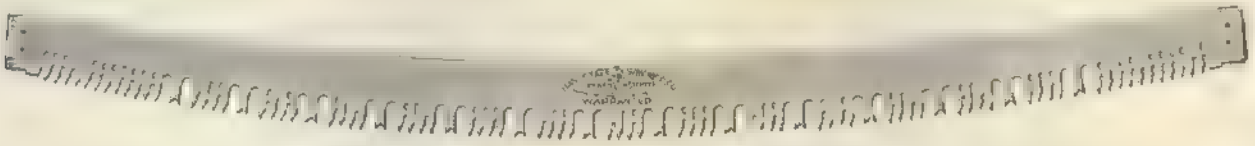
Simonds' Perforated Lance Tooth

Length, feet	5	5½	6	6½	7	7½
Weight each, pounds	5	5½	7¼	8½	9½	11
No. 22 Crescent Ground, each	$4 30	5.10	5.90	6.80	7.80	8.90



Simonds' Champion Tooth

Length, feet	5	5½	6	6½	7	7½
Weight each, pounds	5	6	7½	8½	10	11½
No. 13 Crescent Ground, each	$4 30	5.10	5 90	6 80	7 80	8.90



Simonds' Hollow Back

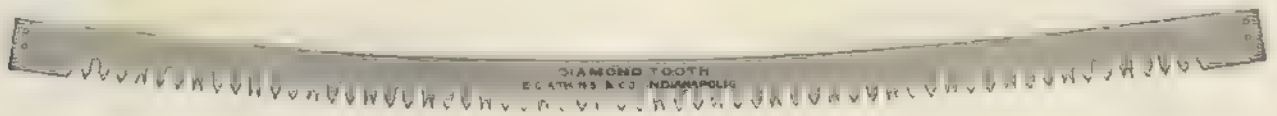
Length, feet	5½	6
Weight each, pounds	4	4½
No. 214 Bay State, each,	**$2.50**	**2.70**

Atkins' Victor Hollow Back

Length, feet	5	5½	6
Weight each, pounds	3½	4	4½
No. 386 3¼ inches wide, Lance Tooth pattern, each,	$1.60	1.76	1.92

Atkins' Hollow Back, American

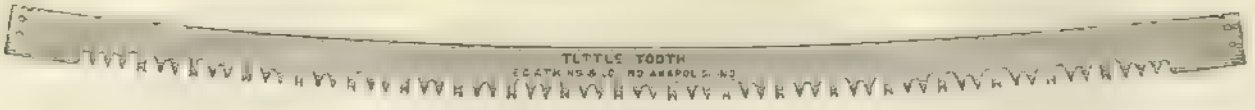
Length, feet	5	5½	6
Weight each, pounds	3¼	4¼	5
No. 385 3¼ inches wide, American Tooth, each,	$1.50	1.65	1.80



Atkins' Hollow Back, Diamond

Length, feet	5	5½	6	6½	7
Weight each, pounds	3½	4	4½	5	5½
No. 384 3¼ inches wide, Diamond Tooth, each,	$1 50	1 65	1 80	1.95	2.10

CROSS CUT SAWS

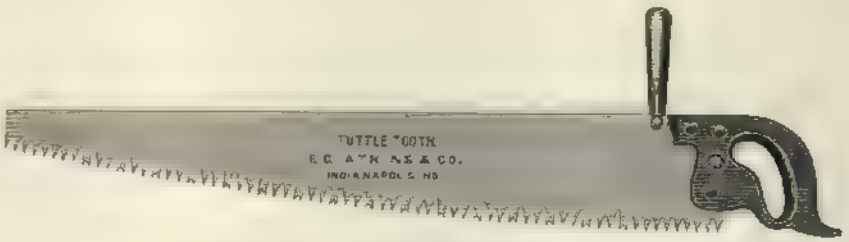


Atkins' Tuttle Tooth, Hollow Back

Length, feet	5	5½	6	6½	7
Weight each, pounds	3½	4	4½	5	5½
No. 379 Special Steel, 3¼ inches wide, each	$1.30	1 43	1.56	1.69	1.82

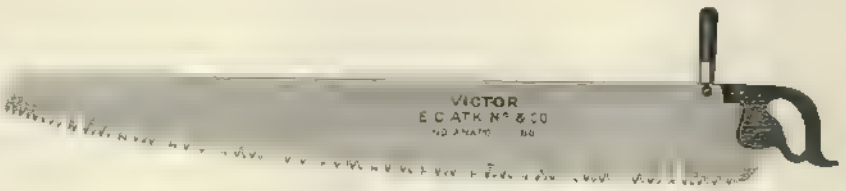
Cherokee Narrow Diamond Tooth

Length, feet	5	5½	6	6½	7
Weight each, pounds	3½	4	4½	5	5½
Cherokee Hollow back, each	**$1.50**	**1.65**	**1.80**	**1.95**	**2.10**



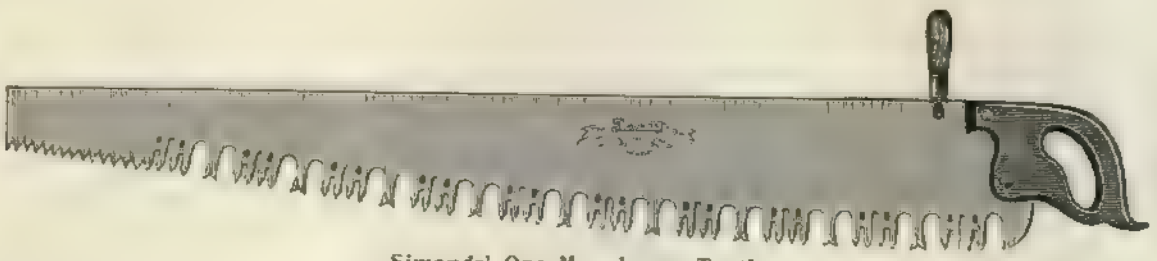
Atkins' One-Man Tuttle Tooth

Length, feet	3	3½	4
Weight each, pounds	3½	4	5
No. 390 Special Steel, each	$1.68	1.96	2.24



Atkins' One-Man Victor Tooth

Length, feet	3½	4
Weight each, pounds	4	5
No. 392 Special Steel, each	$2.24	2.56



Simonds' One-Man Lance Tooth

Length, feet	3½	4
Weight each, pounds	4	5
No. 222 Straight Ground, each	$2.52	2.88

ICE SAWS

Atkins', Iron Handle

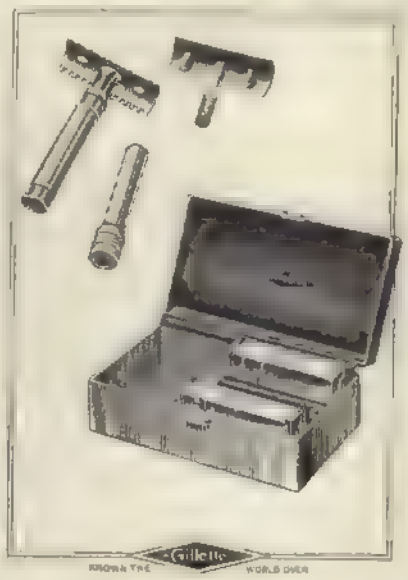
Hand Ice Saw, length 28 inches, weight each 3¼ pounds . . . . . per dozen, $22.00

GILLETTE SAFETY RAZORS

Each set contains 12 double edged Gillette blades in metal box, plated to match razor

Standard Razor

No. 460 Triple silver plated Razor, in velvet lined morocco leather case, weight 9 ounces, each.....$5.00



Standard Razor

No. 460B Triple silver plated Razor in nickel plated velvet lined case, weight 9 ounces, each..... $5.00

Combination Set

No. 461 Consists of triple silver plated razor, telescope pattern, edger hair brush, stick Gillette shaving soap in silver plated holder, velvet lined morocco leather covered case, weight 12 ounces each $6.00

Pocket Edition

No. 500 Plain triple silver plated case, velvet lined, and razor, weight 8 ounces, each.....$5.00

No. 500A 14 Karat gold plated razor and velvet lined gun metal case, weight 8 ounces, each..... 5.50

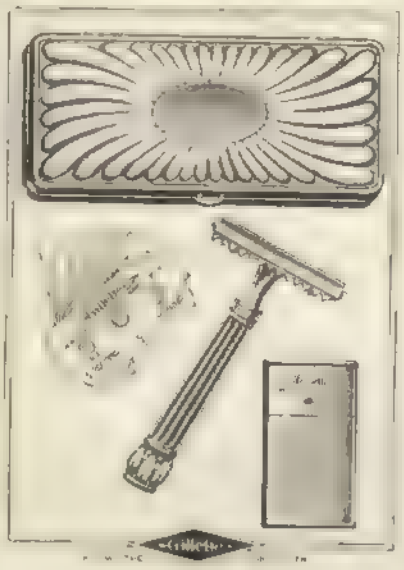
No. 500B Gold plated razor and velvet lined, gold plated case, weight 8 ounces, each.....

Pocket Edition

No. 501 Basket pattern, triple silver plated case, velvet lined, and razor, weight 8 ounces, each.....$5.00

No. 501A Basket pattern, gold plated razor, and velvet lined gun metal case, weight 8 ounces, each. 5.50

No. 501B Basket pattern, gold plated razor and velvet lined gold plated case, weight 8 ounces, each . 6.00



Pocket Edition

No. 502 Shell pattern, triple silver plated case, velvet lined, and razor, each $5.00

No. 502A Shell pattern, gold plated razor and velvet lined gun metal case, weight 8 ounces, each . 5.50

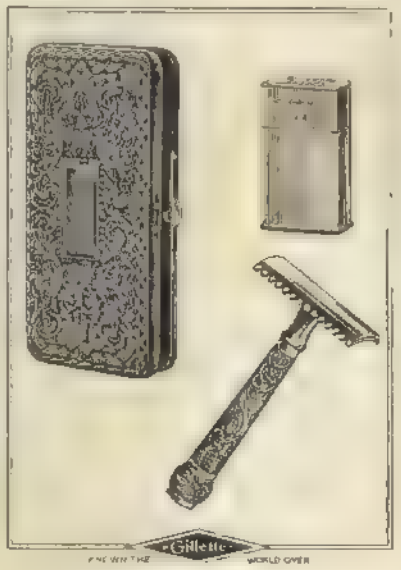
No. 502B Shell pattern, gold plated razor and velvet lined gold plated case, weight 8 ounces, each..... 6.00

GILLETTE SAFETY RAZORS

Each set contains 12 double edged Gillette blades in metal box, plated to match razor

Pocket Edition

No. 503 Flower pattern, triple silver plated Razor, and velvet lined silver plated case, weight 8 ounces, each..$5.00
No. 503A Flower pattern, gold plated Razor, and velvet lined gun metal case, weight 8 ounces, each..... 5.50
No. 503B Flower pattern, gold plated Razor and gold plated case, weight 8 ounces, each..... 6.00



Pocket Edition

No. 504 Empire pattern, triple silver plated Razor, and velvet lined silver plated case, weight 8 ounces, each...$5.00
No. 504A Empire pattern, gold plated Razor, and velvet lined gun metal case, weight 8 ounces, each..... 5.50
No. 504B Empire pattern, gold plated Razor, and velvet lined gold plated case, weight 8 ounces, each 6.00

GILLETTE BLADES

No. 12 One dozen Blades in a nickel plated box (24 shaving edges), weight 1 ounce, per package.....$1.00

Ten packages in a box

No. 6 Half dozen Blades in a carton (12 shaving edges) weight ½ ounce, per package.....$0.50

ENDERS SAFETY RAZOR

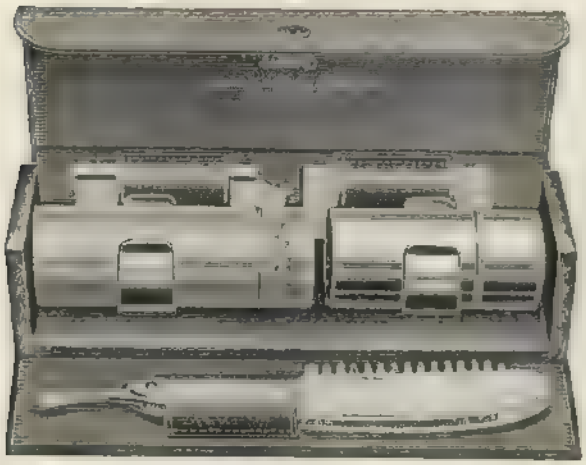
Heavily nickel plated frame and handle with knurled center, and seven blades, in plush lined case, weight 6 ounces, each $1.00

ENDERS BLADES

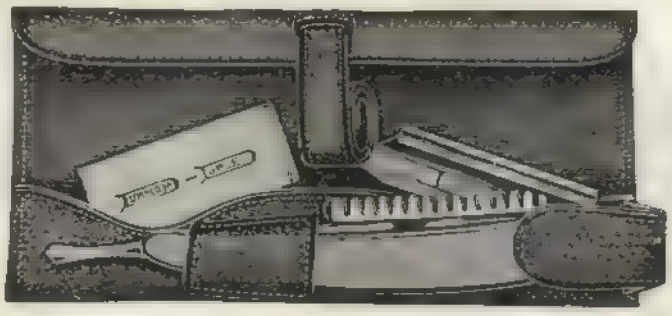
Hand finished and tested Blades in sealed packages of five, weight ½ ounce, per package.....$0.25

SAFETY RAZORS

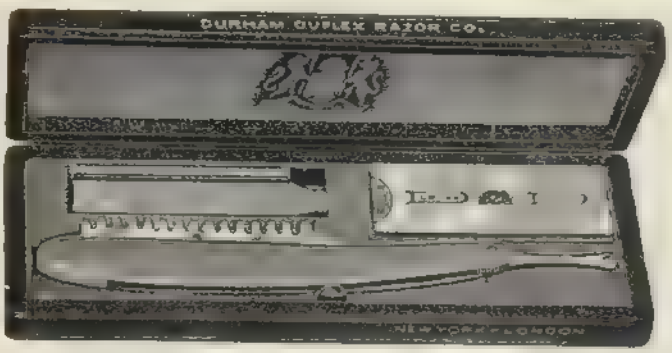
DURHAM-DUPLEX



Hold-All The most compact and complete shaving outfit ever devised. In addition to the complete silver plated set, this outfit contains a rubber-set brush (badger bristle) and shaving stick in nickel plated tube. In pigskin, red or green morocco cases. Weight each 11 ounces. Each $8.00



Kit Silver plated set, consisting of razor, safety guard, stropping attachment and six double edged hollow ground blades of finest tempered steel, in handy folding kit of pigskin, fitting easily in the vest pocket. Weight each 5 ounces. Each..... $5 00



Standard Set, silver plated, consists of razor, safety guard, stropping attachment, six double edged, hollow ground blades of finest tempered steel, in handsome leather covered case, weight each 7 ounces. Each .$5 00

Derby Set, nickel plated consists of razor, safety guard, stropping attachment six double edged, hollow ground blades of finest tempered steel, in handsome plush lined case weight each 6 ounces. Each.....$2 50

DUPLEX BLADES

Durham-Duplex Razor Blades Made of the finest carbonized steel, correctly tempered, ground on two faces, honed and stropped, in sets of 6, in patented protective folder, weight per half dozen 1 ounce . per set, $0 50

HAYING TOOLS

HORSE HAY FORKS

NELLIS FORK

No. 773

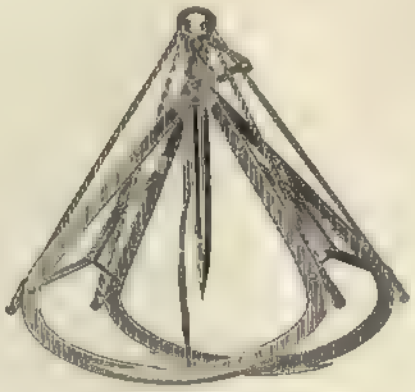
DOUBLE HARPOON

No. 268

No. 773 Nellis Single Harpoon Fork, weight each 15 pounds, each $3.20

No. 268 Double Harpoon Fork, 25 inch tines, weight each 18 pounds, each 1.70

GRAPPLE FORKS



No. 5 Grapple Forks, 4 tine with spear, weight 36 pounds, each $7.00

HAY FORK PULLEYS

No. 32

No. 32A

No. 33

No. 34½

		Per Dozen
No. 32	Steel frame, 6 inch hard maple sheave, weight per dozen 40 pounds	$3.60
No. 32A	All steel, 5½ inch steel sheave, weight per dozen 45 pounds	3.60
No. 33	Knot passing, 6 inch hard maple sheave, weight per dozen 49 pounds	4.80
No. 34½	Wood frame pulley, hard maple sheave, weight per dozen 42 pounds	4.50

RAFTER BRACKET

No. 436 Rafter Brackets, malleable iron, weight per dozen 3 pounds, per dozen $0.80

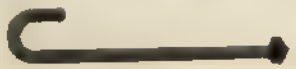
ROPE HITCH

No. 376 Rope Hitch swivel hook, weight per dozen 20 pounds, per dozen $5.00

FLOOR HOOK

No. 266 Floor Hook 6x⅝ inches, wrought iron, weight per dozen 14 pounds per dozen $1.50

HANGER HOOK



No. 267 Hanger Hooks, 14x¾ inches, wrought iron, weight per dozen 12 pounds per dozen $1.30

HAY CARRIERS

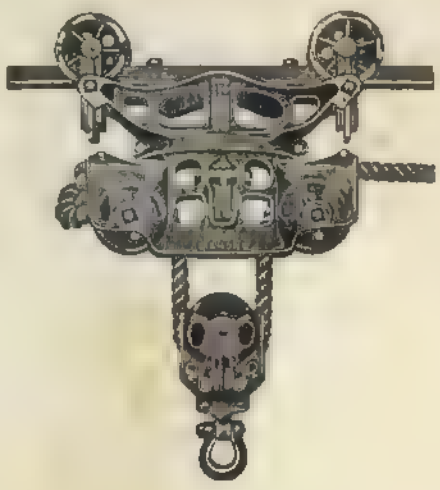
"DIAMOND"

No. 5

Wide Mouth Swivel and Reversible Swivel

This Carrier has a very wide mouth that receives the fork pulley from any direction and in entering the Carrier this pulley operates the dogs in such a manner that it is held firmly in swinging position until again released by returning to the stop. It will swing freely with the load without raising the Carrier from the track and the lock is positive and cannot fail to work under all conditions. The trucks on the Carrier are built extra strong and cannot spread when carrying a heavy load; the track wheels are bored and run on bushings properly fitted to the independent trucks, and as they have extra wide faces without flanges, will not cut or injure the track. The rope wheels have chilled hubs and run on bushings firmly recessed into the Carrier frame, taking all strain and wear from the bolt. This Carrier is reversed by the swivel and will work equally well out of either side of the stop.

No. 5 Gold bronze finish, weight complete 37 pounds, each $7.00



No. 4

Wide Mouth Swivel and Reversible Steel Track Carrier

The trucks are made of one solid piece of best malleable iron. The wide mouth receives the fork pulley, which swings with the load when locked, as it approaches from either direction. The lock is positive and is forced into action by the pulley block coming in contact with the gripping dogs, which will hold the pulley perfectly until again released by the stop. The carrier will work out of either side of the stop by simply swiveling the rope. The track wheels are bored smooth and fitted with turned steel axles. The rope wheels have chilled hubs and run on bushings, fitted into the sides of the frame, taking all wear and strain off the bolt. All parts of frame made from the very best malleable iron

No. 4 Gold bronze finish, weight complete 29 pounds, each $7.00

PRICE LIST OF REPAIRS FOR No. 5 "DIAMOND" INDEPENDENT TRUCK, WIDE MOUTH SWIVEL AND REVERSIBLE WOOD TRACK CARRIER

No. of Part	Description	Price Each
N 18½	Rope Wheel	$0.25
N 35	Bushing for N18½	.10
N125	Pulley Clevis	.25
N125½	Pulley Clevis Swivel	.25
N221	Truck	1.00
N223	Track Wheel	.25
N250	Car Frame Side	1.00
N251	Swivel Frame Side	1.00
N252	Plunger	.50
N253	Plunger Swivel	.25
N255	Locking Grip, R.	.25
N256	Locking Grip, L.	.25
N257	Pulley Frame Side	.25
N258	Fork Pulley Hook	.25
N239	Sheave	.50
N274	Stop Block Side	.50
N276	Bushing for N223	.10
	Track Wheel Axle Pin	.15
	Fork Pulley Pin	.05
	Wearing Plate	.15
	Side Rails	.20
	All Bolts	.05

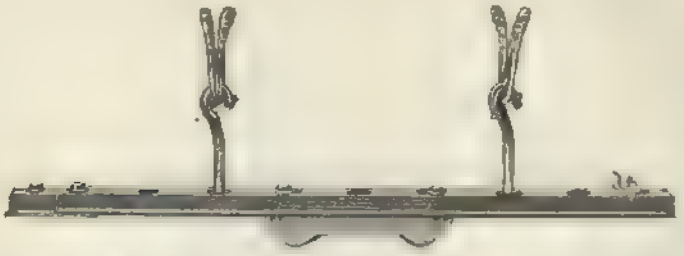
PRICE LIST OF REPAIRS FOR No. 4 "DIAMOND" INDEPENDENT TRUCK, WIDE MOUTH SWIVEL AND REVERSIBLE STEEL TRACK CARRIER

No. of Part	Description	Price Each
1	Track Wheel Axle Pin	$0 15
N 18½	Rope Wheel	.25
N 32	Bumper	.10
N 35	Bushing for N18½	.10
N125	Pulley Clevis	.25
N125½	Pulley Clevis Swivel	.25
N301	Track Wheel, N. S.	.25
N204	Track Wheel, O. S	.25
N222	Truck	.40
N250	Car Frame Side	1 00
N251	Swivel Frame Side	1 00
N252	Plunger	.50
N253	Plunger Swivel	.25
N254	Stop Block Side	.50
N255	Locking Grip, R.	25
N256	Locking Grip, L	.25
N257	Pulley Frame Side	.25
N258	Pulley Hook	.25
N259	Pulley Sheave	50
	Fork Pulley Pin	05
	All Bolts	05

HAY CARRIERS

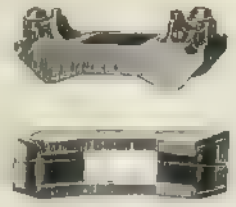
DIAMOND STEEL TRACK FOR No. 4 HAY CARRIER

Hanger Hook



Track Bumper

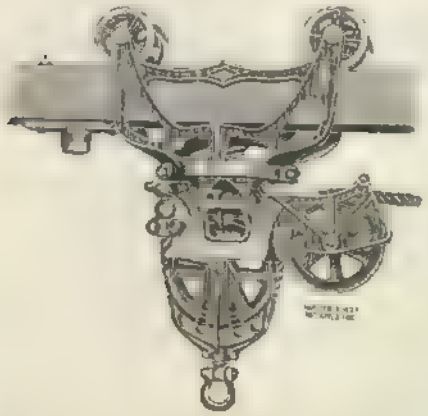
Track Coupling



Trip or Stop

"Diamond" steel track with couplings and bolts	per foot, $0.20
Steel track hanger hooks	per dozen, 1.40
Steel track rafter brackets	per dozen, .60
Track bumpers	each
Track couplings	each
Trip or stop for No. 4 and 5 carriers	each

THE "NEW ACME" SWIVEL AND REVERSIBLE WOOD TRACK HAY CARRIER



Trip or Stop for "New Acme" Wood Track Carriers

Rafter Bracket

Acme Hanger Hook

No. 200 "New Acme," to operate on 4x4 inch wood track and for use with rope, finished in aluminum, weight 41 pounds, each.....$8.00
Trip Pulleys for No. 200 Carrier, each.....

"New Acme" Trip or Stop, each.....$0.5
No. 25 Rafter Brackets, per dozen.....to
Acme Hanger Hooks, per dozen.....1.40

The pulley sheaves are 7 inches in diameter and the rope wheels 6 inches in diameter and fitted with steel bushings recessed into the frame. The fork pulley is fitted with a swivel clevis for hanging the fork. The New Acme carrier will work out of either side of the stop if necessary to solve the carrier when it is an inside stop. Made of the best grade of malleable iron and all parts are carefully fitted.

PRICE LIST OF REPAIRS FOR THE "NEW ACME" No. 200 SWIVEL AND REVERSIBLE WOOD TRACK HAY CARRIER

No. Part	Description	Price Each
2	Track Wheel Axle Pins	$0.15
N 19	Track Wheel	.25
N 35	Separator	.10
N125	Pulley Clevis	.25
N125½	Pulley Clevis Swivel	.25
N332	Swivel Frame, R. and L.	1.00
N333	Cross Head Brace	.35
N334	Stop Lock	.35
N335	Locking Grip, R.	.25
N336	Locking Grip, L.	.25

No. Part	Description	Price Each
N337	Clamp and Swivel	$0.5
N338	Cap for Clamp	.10
N339	Fork Pulley Frame	.50
N340	Fork Pulley Sheave	.65
N341	Draft Pulley Sheave	.65
N342	Frame Side	.15
N441	Stop Block	.9
	Fork Pulley Pin	.05
	All Bolts	.65

BRASS BIRD CAGES

Made of Brass Wires Riveted to the Rails or Cross Bars and Closed at the Top into a Heavy Brass Ring, Removable Brass Bottom, Self Closing and Self Fastening Doors, Opal Feed Cups, Three Wood Perches, Swing, Feed Cups, etc., Included.

No. 949—FANCY OBLONG SQUARE

No. 5005—OBLONG SQUARE

Nos. 5001G and 5005—FANCY OBLONG SQUARE

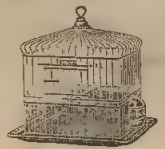
Nos. 7004 and 7006DB—OBLONG SQUARE

Assorted in Cases of Six

Per Assortment

No. 55—Assortment Contains Six Cages, One No. 960, Size 10¾x8, 9x15½ inches High, One No. 5002, Size 9x8x11½ inches High, One No. 5001G, Size 10½x9½x15 inches High, One No. 5002, Size 10½x9½x14 inches High, One No. 7004, Size 9½x9½x23¼ inches High, and One No. 7006DB with Drawer Base. Weight per Assortment 96 lbs. $26.00

One Assortment in a Case. We Do Not Break Cases



OBLONG SQUARE

Assorted in Cases of Six

All with Brass Wire Guard

Per Assortment

No. 56—Assortment Contains Six Cages, one No. 7004G, Size 9½x9½ inches High, Two Nos. 7004G, Size 10¾x7¾x20 inches High, Two Nos. 7006G, Size 10¾x7¾x23 inches High, Weight per Case 36 lbs. $25.50

One Assortment in a Case. We Do Not Break Cases

BIRD CAGES

Assorted in Cases of Six

Wires are Riveted to the Rails or Cross Bars and Closed at the Top into a Heavy Brass Ring, Removable Brass Bottom with Tin Mat, Self Closing and Self Fastening Doors, Opal Feed Cups, Furnished with Perches, Swings, Feed Cups, etc.

BRASS

WHITE ENAMELED

BRASS TRIMMED

Per Assortment

No. 53—Assortment Contains Six Cages, One No. 5[illegible], Size 9½x9½x15 inches High, One No. 5[illegible], Size 10½x9½x15 inches High, One No. 5[illegible], Size 10½x9½x16 inches High, One No. 5[illegible], with Cages, Size 11½x9½x16 inches High, One No. 5[illegible], Size 10½x9½x16 inches High, One No. 5[illegible], Size 10½x9½x16 inches High, Weight per Case 36 lbs. $16.00

Per Assortment

No. 67—Assortment Contains Six Cages, One No. 5[illegible], Size 9½x9½x15 inches High, Two No. 5[illegible], Size 10½x9½x15 inches High, One No. 5[illegible], Size 10½x9½x16 inches High, One No. 5[illegible], with Cages, Size 11½x9½x16 inches High, One No. 5[illegible], Size 10½x9½x16 inches High, Weight per Case 36 lbs. $15.00

Per Assortment

No. 63—Assortment Contains Six Cages, Two No. 5[illegible], Size 10½x9½x16 inches High, Two No. 5[illegible], Size 11½x9½x16½ inches High, and Two No. 5[illegible], Size 12½x9½x16½ inches High, Weight per Case 36 lbs. $14.00

No. 5[illegible]

SIX CAGE ASSORTMENT WITH GUARD

Per Assortment

No. 7—Assortment Contains Six Cages with Guard, Two No. 5[illegible], Size 9½x9½x15 inches High, Two No. 5[illegible], Size 10½x9½x15 inches High, and Two No. 5[illegible], Size 10½x9½x16 inches High, Weight per Assortment 36 lbs. $15.00

One Assortment in a Case. We do not Break Cases

No. 5[illegible]

WHITE ENAMELED

Made of Iron Wire, Enameled White and Assorted in Colors, Wires Pass Through Rails or Cross Bars in Best Charcoal Tin Plate in Three Form Double Bushes to Give a Firm Build. Self Adjusting Self Locking Spring Door. Complete with Perches, Swings, Feed Cups, etc.

Per Assortment

No. 4—Assortment Contains Six Cages, One No. 5[illegible], Size 9½x9½x15 inches High, One No. 5[illegible], Size 10½x9½x15 inches High, One No. 5[illegible], Size 10½x9½x16 inches High, One No. 5[illegible], Size 10½x9½x16 inches High, One No. 5[illegible], Size 10½x9½x16 inches High, Weight per Case 36 lbs. $9.00

One Assortment in a Case. We do not Break Cases

Nos. 5[illegible] and 5[illegible]

No. 5[illegible]

"DIAMOND EDGE IS A QUALITY PLEDGE"

BIRD CAGES

WHITE ENAMELED

Assorted in Cases of Six Cages

Made of Iron Wire, Enamel White and Decorated in Colors. Wires Pass Through Rails or Cross Bars of Bar Channel Tin Plate in Tube Form, Double Punched to Give a Firm Hold; Self Adjusting, Self-Locking Spring Bottom Fasteners; Furnished with Three Perches Slotted to Fit Narrowest Width of Cage; Complete with Swings, Feed Cups, Etc.

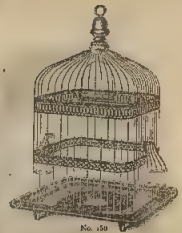
No. 45

No. 153

No. 61.

No. 159

No. 157



No. 160

Per Assortment

No. 5—Assortment Contains Six Cages, One No. 157 Size 8¾x8¾x15 inches high, One No. 45 Size 12x8x15 inches high, One No. 61, Size 10¾x10 inches High, One No. 165, Size 11x7¼x18 inches High, One No. 160 Size 7 3/4x7¾x16¾ inches High, and One No. 159 Size 9¾x9¾x18¾ inches High; Weight per Case 30 lbs. $18.00

One Assortment in a Case; We do not Break Cases

BIRD CAGES

WHITE ENAMELED

Assorted in Cases of Six Cages

Made of Iron Wire, White Enameled and Decorated in Colors, Wires Pass Through Rails or Cross Bars of Bar Channel Tin Plate in Tube Form, Double Punched to Give a Firm Hold; Self Adjusting, Self Locking Spring Bottom Fasteners, Furnished with Three Perches, Slotted to Fit Narrowest Width of Cage, Complete with Swings, Feed Cups, Etc.

Nos. 159, 160 and 161

Nos. 155 and 156

No. 60

Per Assortment

No. 23—Assortment Contains Six Cages, One No. 156, Size 7¾x7¾x15 inches high, One No. 160, Size 7¾x7¾x16¾ inches High, One No. 161 Size 8¾x8¾x16¾ inches High, One No. 155, Size 9¾x9¾x18¾ inches High, One No. 156, Size 9¾x9¾x18¾ inches High, One No. 60, Size 10¾x7x10 inches High, and One No. 62, Size 8¾x8¾x13½ inches High; Weight per Case 23 lbs. $8.50

One Assortment in a Case

We Do Not Break Cases

Nos. 065 and 066

No. 06

Nos. 610, 060 and 06

Per Assortment

No. 3—Assortment Contains Six Cages, One No. 065, Size 9¾x8½x 6½ inches High, One No. 066, Size 10¾x7x15 inches High, One No. 60, Size 8¾x8¾x18¾ inches High, One No. 610, Size 7¾x7¾x13½ inches High, One No. 060, Size 10x8x18 inches High, and One No. 06, Size 8¾x8¾x16 inches High; Weight per Case 30 lbs. $9.00

One Assortment in a Case

We Do Not Break Cases

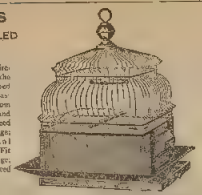
BIRD CAGES

BRASS AND ENAMELED

Sold Separately

Made of 17 Gauge Brass Wire Riveted and Soldered to the Rods or Cross Bars, and Lower to the Top and a Heavy Brass Ring. Removable Brass Slat on each Tin Mat, Self Closing and Self Fastening Doors, Opal Feed Cups Fit any Part of the Cage; Furnished with Three Metal Tipped Perches, Slotted to Fit the Narrowest Width of Cage. Complete with Swing, Feed Cups, etc.

BRASS, FANCY OBLONG SQUARE



BRASS, FANCY OBLONG SQUARE
With Brass Wire Guard and Removable Drawer

	Per Dozen
No. 860—10½x8½x14½ inch Body; Height 15½ inches; Weight per Dozen 94½ lbs. Loose	$72 00
No. 860D—10½x8½x14½ inch Body, Height 14½ inches; Weight per Dozen 97 lbs. Loose	$105 00

BRASS

WHITE ENAMELED, BRASS TRIMMED

These Cages are Constructed Similar to those Described above

	Per Dozen
No. 5001—6½x5½x9½ inch Body; Height 14¾ inches; Weight per Dozen 71½ lbs. Loose	$30 00
No. 5000—10½x7½x16 inch Body, Height 23¾ inches; Weight per Dozen 154 lbs. Loose	96 00
No. 6008 [illegible] inch Body; Height [illegible] inches; Weight per Dozen [illegible] lbs. Loose	45 00

With Brass Wire Guard

	Per Dozen
No. 233C 10½x7 inch Body; Height 16 inches; Weight per Dozen 235 lbs.	$36 00
No. 234C—12½x8½ inch Body; Height 17½ inches; Weight per Dozen 30 lbs.	42 00

Without Guard

No. 221—9½x6½ inch Body; Height 14 inches; Weight per Dozen 82½ lbs.	$20 00
No. 232—[illegible]x7½ inch Body; Height [illegible] inches; Weight per Dozen 29 lbs.	28 00
No. 235—13x8½ inch Body; Height 18 inches; Weight per Dozen 80½ lbs. Loose	35 00

PARROT CAGES

Made of No. 12 Tinned Wire, Passing Through Tinned Steel Rails, Secured to Tin Rim at Top; Japanned Zinc Base; Improved Door Fastening, Two Tin Seed Cups, Wood Perch and Swing.

	Per Dozen
No. 88—Diameter 14 inches; Height 22 inches; Weight per Dozen 84 lbs.	$68 00
No. 88—Diameter 15½ inches, Height 24 inches, Weight per Dozen 100 lbs.	73 00
No. 86—Diameter 17½ inches; Height 29 inches; Weight per Dozen 122 lbs. Loose	108 00

	Per Nest
No. PC2N—Nest of Three Cages, Nos. 88, 85 and 90 as Described above; Weight per Nest 29 lbs.	$30 00

One Nest in a Case. We Do Not Break Cases

BIRD CAGES

CANARY, ROBIN AND MOCKING BIRD
Nested

	Per Nest of Five
No. WP5—Nest Contains One Each, Canary, Small Robin, Large Robin, Small Mocking Bird and Large Mocking Bird. Weight per Nest 75 lbs.	$18 00

	Per Nest of Four
No. WP4—Nest Contains One Each, Small Mocking Bird, Large Mocking Bird, Small Robin and Large Robin. Weight per Nest 72 lbs.	$13 00

	Per Nest of Three
No. WP3—Nest Contains One Each, Small Robin, Large Robin and Canary. Weight per Nest 45 lbs.	$ 9 00

One Nest in a Case. We Do Not Break Cages

Rosewood Frame Tinned Wire Body with Ornamental Feet, Sliding Bead Drawer, Self Closing Spring Doors. Complete with Partitions, Seed Cups, Perches, etc.

Dimensions of Cages

Canary, Size 17x9½x16 inches.
Small Robin, Size 19½x11½x18½ inches.
Large Robin, Size 22x12½x25¼ inches.
Small Mocking Bird, Size 22½x13½x23½ inches.
Large Mocking Bird, Size 25½x15x28½ inches.

BREEDING CAGES

	Per Assortment
No. BBA—Assortment Contains Three Cages One [illegible] inches and One Nest 22x12½x16½ inches; Weight per Nest 80 lbs.	$13 00

One Assortment to a Case. We Do Not Break Cases

WHEEL CAGES

Revolving Perches, Made of Iron Wire with Four Supports, Tin Front and Tin Bottom. Four Perches, Wire Carrying Handle

	Per Dozen
No. 1200—13½x9½ inch Body; 10½x8½ inch Base, 19 inches High. Weight per Dozen 32 lbs. Loose	$42 50

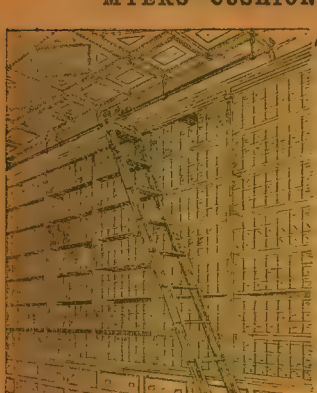
SQUIRREL CAGES

OCTAGON ALL METAL

	Each
No. 200—Box is made of No. 12 Tinned Wire, Japanned Tin Top and Bottom, Dumasized in Colors. Length of Body 24 inches, Width 10 inches, Height 22 inches. Size of Dome 12x12 inches. Size of Tread Wheel 7x6 inches. Weight each 18 lbs. One in a Case	$12 00

"DIAMOND EDGE IS A QUALITY PLEDGE"

MYERS' CUSHION TIRE STORE LADDERS.



For Shipment from Factory.

Ladder and Trolley, complete, average weight 80 lbs. ..... each AABJ $20 00

Track, complete with hangers, weight per ft. 2 lbs. ..... per foot AG .80

Give height of ceiling, and we will send the ladder of proper length.

DIRECTIONS FOR FITTING.

To find the required length of store ladder for any room, subtract from the height of the room 11 in. (this being the amount of space required by hangers, track and trolley), multiply the remainder by one and one-tenth, the result will be the length of the ladder from hole at top to long point of ladder at bottom.

The track is the well known double angle steel rail, which is very neat and strong, and is suspended from ceiling by means of lag screws, either grooved or ridge or by flanged plates and wood screws. By this means the track is placed close to the ceiling and can be leveled on an uneven ceiling without the least trouble, and without any blocking or bridging, as is the case in many other tracks.

The ladder is constructed of the best clear Georgia pine, nicely finished, filled and varnished, has open panel sides 5 in. wide, with 5 in. steps. Each step is supported at each end with a special malleable dowel tee, which makes the strongest construction possible. The width of the ladder is 13 in.

The trolley is self adjusting and made of malleable iron fitted with turned steel bearings and 3 in. anti-rattler wheels turned and bored on lathe and fitted with special rubber tires.

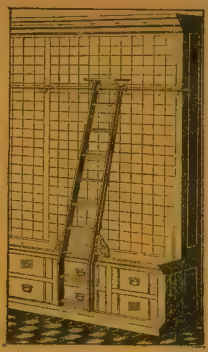
The wheels of trolley are 5 in. in diameter, composed of metal and with rubber cushion tires clamped in such a position as to be impossible to get off of track. Those wheels are placed on a steel axle which revolves with one of the wheels, the other running loose. In this manner the ladder will adjust itself to the floor. With this style trolley, which is noiseless, a great objection in other ladders is overcome.

When the ladder is not the proper length for ceiling, cut off at the bottom and replace the lower traveler shaft by boring new holes at the proper point so as to have the steps of the ladder level.

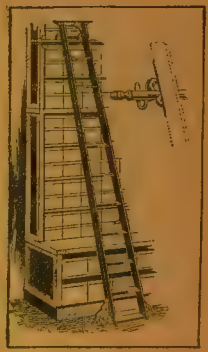
BICYCLE AND AUTO STEP LADDERS.

NEW NOISELESS TRACK.

No. 100.
Bent Floor Track Bicycle Ladder.
Can use track Nos. 22, 24 or 26.



No. 110.
Bent Base Shelf Bicycle Ladder.
Can use track Nos. 22, 24 or 26.



No. 120.
Model Six Auto Ladder.
Use track No. 28.

Straight or Bent, Selected Hardwood, Finished in Natural Colors, Extra Wide Shelf at Top, Japanned Mountings, Track at Bottom, Either on Base Shelf or on Floor, Steel or Noiseless Rail.

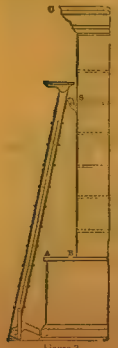


Figure 3.

	STRAIGHT	BENT
No. 100—Bicycle, oak, japanned mountings, for floor track★ ..... each	AABE $15.00	ABDJ $16.00
No. 110—Bicycle, oak, japanned mountings, for base track★ ..... "	AABE 15.00	ABDJ 16.00
No. 120—Auto, oak, japanned mountings (no floor track)★ ..... "	AABE 15.00	ABDJ 16.00
Nickel plated mountings★ ..... extra each	AGE 2.00	

Approximate weight 40 lbs.

Any combination of track will fit any of the above ladders except 120 Auto. No. 22 track always sent for floor track ladders and No. 23 for base track ladders unless otherwise specified.

Ladders can be furnished in Georgia pine at $1.00 less than oak prices.

BICYCLE LADDERS have but two wheels, the track is at the bottom, either on the base shelf or on the floor, so that the entire weight of the ladder and operator is supported from below on a solid foundation and not suspended, holding operator and ladder in perfect balance and assuming all liability of the ladder tipping on the shelving.

A light turned pole guides the upper end of the ladder in moving it. Stout hooks fit over this pole to prevent the ladder from tipping backwards, but not a pound of weight rests on the pole.

Operator stands directly over the wheels, there is no side friction at all and ladder travels as easily as any other bicycle.

The noiseless rail is yielding and resilient, absorbing all vibration due to operation of ladder.

THE AUTO LADDER requires no track but runs on flat wheels.

It can be set at any angle or pushed close to the shelving when not in use. It is particularly adapted to short runs, cramped spaces or sloping, uneven floors. The adjusting feature allows guide rail to be placed opposite a shelf regardless of being parallel with the floor.

Track.

No. 22—Steel bronze rail, japanned brackets, special pole★	per foot	BC	$0.35
No. 24—Noiseless rail, japanned brackets, special pole★	"	CJ	.45
No. 26—Noiseless or nickeled rail, nickel brackets★	"	CC	.50
No. 28—For Auto ladders, japanned brackets, special pole★	"	AG	.25

Approximate weight ¾ lb. per foot.

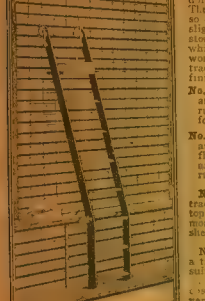
Any combination of track will fit any of the above ladders, except No. 120 Auto.

No. 22 Track is always sent for Floor Track ladders, and No. 24 for Base Track Ladders unless otherwise specified.

HOW TO ORDER BICYCLE LADDERS. Refer to Figure 3 on this page and give the following measurements: from C, Floor to A; A to B, and B to S. State whether ladders are to be straight or bent. State length of track wanted and the number of uprights of all kinds in the shelving, and any whether solid uprights, partition boards, turned spindles or iron brackets are used to support the shelving.

★ *FOR FACTORY SHIPMENT ONLY.*

MILBRADT ROLLING STORE LADDERS.



Showing No. 1 bent ladder, which runs on a track fastened to shelving near the top and runs close to wide base shelf.

The Milbradt rolling step ladders are all made to order, and to fit each particular place, of good oak lumber, in the most artistic and neatest style, handsomely finished, are durable and perfectly safe, as they cannot jump the track. They take up the least possible space, run noiselessly and so easily, either empty or with operator upon them, that a slight push will propel a ladder the length of an ordinary store. These ladders have an extra wide shelf at the top, which affords great convenience in handling stock. All iron work on ladders, as well as the brackets to hold up steel track, is malleable, artistic and strong and aluminum finished.

No. 1—Has suitable fixtures at the top to run on steel track and rubber covered rollers attached near the lower end that run against the edge of base shelf. This ladder is the best for all around purposes where shelving is reasonably strong.

No. 2—Intended for shelving that is not very strongly built, as most of the weight of ladder and operator rests on the floor. This ladder runs on a hardwood track at the top and has cushion tired wheels attached at the bottom that run on the floor, no track being required.

No. 10—Is a bent ladder that runs on a flat hard wood track that is screwed on top of original low shelving. When top of shelving is reasonably strong this is very often the most convenient way to apply a ladder to this style of shelving.

No. 15—Is a trolley or ceiling ladder that suspends from a track fastened to ceiling. Ladder has attached at the top, suitable iron in which paper filled wheels run, noiselessly on the steel track. It has attached at the bottom, cushion tired wheels that run on the floor. This ladder is very strongly built and specially adapted for hardware stores or any place of business where heavy goods are handled.

No. 1—Ladder complete with fixtures★....each **ABFE** $15.00
No. 2—Ladder complete, with fixtures★....each **ABFE** 15.00
No. 10—Ladder complete, with fixtures★....each **ABFE** 15.00
No. 15—Ladder complete, with fixtures★....each **AABJ** 14.00

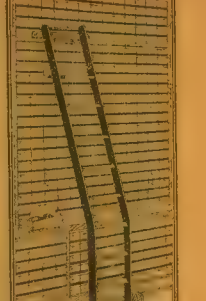
Approx. W't Ladder Crated 50 lbs.

Steel Track for No. 1, regular strength, including brackets and screws★.....per foot **BC** $0.35
Steel Track for No. 1 extra strong, including brackets and screws★.....per foot **BH** $0.45
Steel Track For No. 10, including brackets and screws, per foot★.....**BB** $0.35

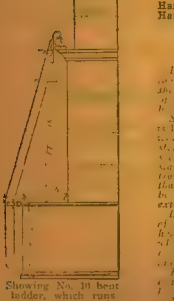
Approx. W't Steel Track 1 lb. Per Foot.

Hardwood Track—For No. 2, complete★....per foot **AG** $0.25
Hardwood Track For No. 2, complete★....per foot **AB** $0.20

Approx. W't Wood Track ½ lb. Per Foot.



Showing No. 2 bent ladder, which runs on floor.



Showing No. 10 bent ladder, which runs on track screwed on top of original shelving.

HOW TO ORDER.

Ladders as Nos. 1 and 2 give the exact height from floor to top of base shelf. The exact width of base shelf to be given, and the exact height to top of base shelf to top of wall to which track is to be fastened and the track should be screwed to wall at least 6 inches from the top. Should the ladder as No. 1, have a rail above the steps, as shown in cut, it should be stated how many steps the rail is to run over. Also the length of each flight of steps. Where ladder runs on hardwood track, as No. 2, it is necessary to use extra strong steel track to hold up the steel track, as the steel track the brackets cannot be more than 18 inches apart. When the spaces between brackets are to be different or more than 18 inches apart, it is necessary to use extra strong steel track.

Ladder No. 10, give the exact height from floor to top of shelf, width of top of base and also the exact height from the top of shelving or cornice on top of which track is to be fastened. Also state how much track is to be used on each part of shelving.

Ladder No. 15 it is also necessary to give the exact height from floor to ceiling and the exact length of each flight of steps.

Ladders Nos. 1 and 10 are supplied with steel track only unless hardwood track is required.

FOR FURTHER INFORMATION WRITE FOR SPECIAL LADDER CIRCULAR.

Showing No. 15 trolley or ceiling ladder, which suspends from a track fastened to ceiling.

★FOR FACTORY SHIPMENT ONLY, F. O. B. ST. LOUIS, MO.

PEAVY AND CANT HOOK HANDLES

PEAVY HANDLES

These Handles Are Carefully Turned from Select Material with Hand Turned Knob
Highly Polished and Finished with Linseed Oil

		Per Dozen
2¼ inch x 4½ feet, maple wood Peavy Handles, weight per dozen 60 pounds		$5.50
2½ inch x 4½ feet, maple wood Peavy Handles, weight per dozen 65 pounds		6.00
2¼ inch x 4½ feet, hickory wood Peavy Handles, weight per dozen 60 pounds		7.50
2½ inch x 4½ feet, hickory wood Peavy Handles, weight per dozen 65 pounds		8.00
3 inch x 4½ feet, hickory wood Peavy Handles, weight per dozen 70 pounds		8.50
2⅛ inch x 4½ feet, iron wood Peavy Handles, weight per dozen 55 pounds		9.00

CANT HOOK HANDLES

Made of Selected Stock, Nicely Finished

	Per Dozen
2 inch x 4½ feet, maple wood Cant Hook Handles, weight per dozen 60 pounds	$5 50
2½ inch x 4½ feet, maple wood Cant Hook Handles, weight per dozen 65 pounds	6.00
2¼ inch x 4½ feet, hickory Cant Hook Handles, weight per dozen 60 pounds	5 50
2½ inch x 4½ feet, hickory Cant Hook Handles, weight per dozen 65 pounds	6 50

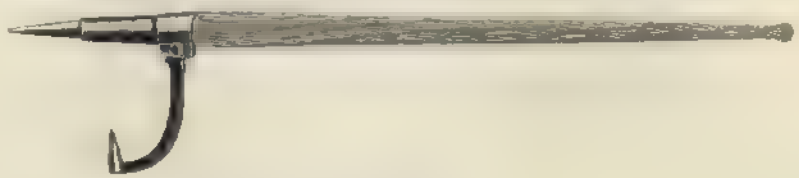
One half dozen in a bundle

LOGGING TOOLS

PEAVIES

Malleable Solid Socket Peavies, Duck Bill Hooks

		Per Dozen
No. 207	2¼ inch x 4½ feet, steel hook and pick, maple wood handles; weight per dozen 120 pounds	$27.00
No. 211	2½ inch x 5 feet, steel hook and pick, maple wood handles; weight per dozen 125 pounds	30.00
No. 307	2⅛ inch x 4½ feet, steel hook and pick, hickory handles; weight per dozen 130 pounds	30.00
No. 311	2¼ inch x 4½ feet, steel hook and pick, hickory handles; weight per dozen 140 pounds	33.50



Prouty's

No. 43	2¼ inch x 4 feet, steel hook and pick, iron wood handles	.per dozen, **$32.00**
No. 43	2½ inch x 4½ feet, steel hook and pick, iron wood handles	.per dozen, **33.00**

CANT HOOKS

Malleable Clasp, Duck Bill Hooks, Extension Toe Ring

		Per Dozen
No. 403	2⅛ inch x 4½ feet, steel hook, maple handle, weight per dozen 130 pounds	$22.50
No. 407	2¼ inch x 5 feet, steel hook, maple handle, weight per dozen 140 pounds	25.75
No. 503	2⅛ inch x 4½ feet, steel hook, hickory handle, weight per dozen 130 pounds	26 00
No. 507	2¼ inch x 5 feet, steel hook, hickory handle, weight per dozen 140 pounds	30.00

LOGGING TOOLS

PIKE POLES

Straight Pike and Hook

Handles are made from second growth white ash. Picks are forged from high carbon steel. Ferrules are seamless, made from Norway iron.

No. 107 Size 12 feet, weight per dozen 80 pounds
Per dozen **$24.00**

No. 108 Size 14 feet, weight per dozen 90 pounds
Per dozen **29.00**

No. 109 Size 16 feet, weight per dozen 100 pounds
Per dozen **35 00**

TIMBER CARRIERS OR LUG HOOKS

Duck Bill Hooks

The hooks are made of high carbon steel with swivel equipped with best second growth maple handles.

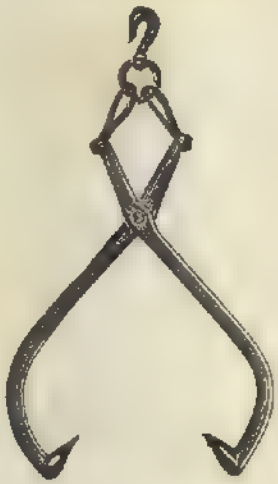
No. 606 4½ feet, approximate weight per dozen 120 pounds, per dozen **$30.00**

Timber Carrier Handles, 55 inch per dozen... **7.50**

PIKE POLE PIKES AND HOOKS

No. 91 Straight, weight per dozen about 15 pounds.
Per dozen **$10.80**

SKIDDING TONGS



Made of the best high carbon steel, hand forged and with heavy upset head. Plain swivel and grab hooks.

No. 145 1 inch octagon steel, approximate weight per pair 23 pounds, each..... **$6.50**

GRAB SKIPPERS

Used for extracting logs. The entire tool is hand forged and tempered. The pick is made of high carbon steel, the axe bit from Park's Black Diamond crucible steel. Has 36 inch straight grained handle

No. 286 Grab Skipper, approximate weight per dozen 78 pounds.....per dozen, **$34.00**

GRAB MAULS

This tool is used for driving dogs, the ring is made from mild steel, the handles are of tough wood. The pick in the bottom of the handle is for the purpose of sticking the tool on a log to prevent its rolling mislaid

No. 285 Grab Mauls, approximate weight per dozen 114 pounds..... per dozen, **$20.00**

LOGGING TOOLS

LOADING HOOKS

No. 138 Loading Hook ¾ inch square, high carbon steel The points are upset, heavy and strong approximate weight per dozen 27 pounds per dozen $14.00

SWAMP HOOKS

No. 130 Swamp Hooks, 1⅛ inch octagon, high carbon steel, with upset head The grab hooks and rings are of soft steel, approximate weight per dozen 80 pounds, per dozen $25.00

LOGGING DOGS

Bull Dog Patent

Forged from highest quality crucible analysis steel.

No. 1 For cross ties, grabs ties, pulp wood and small hard wood weight per dozen 20 pounds, per dozen..... $7.50

No. 2 For railing hardwood, also a popular size for many soft woods, weight per dozen 28 pounds Per dozen 7.50

No. 3 For large hemlock and other soft woods, weight per dozen 38 pounds, per dozen 7.50

LOGGING DOGS

Langan's

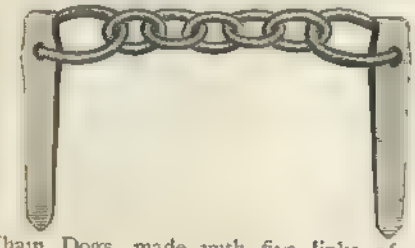
Patent drop forged steel

No. 4 For cross ties grabs or trackers in ties pulp wood or small hard wood logs weight each 27 ounces Per dozen $8.00

No. 2 For regular hardwood trailer also for medium size hemlocks weight each 32 ounces, per dozen..... 8.00

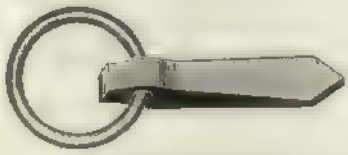
No. 3 A regular soft wood grab, weight each 37 ounces Per dozen 8.00

CHAIN RAFTING DOGS



No. 642 Chain Dogs, made with five links of chain, size of dog 1⅛ x ⅜ inches, per 100 pieces.....$20.00

RING DOGS

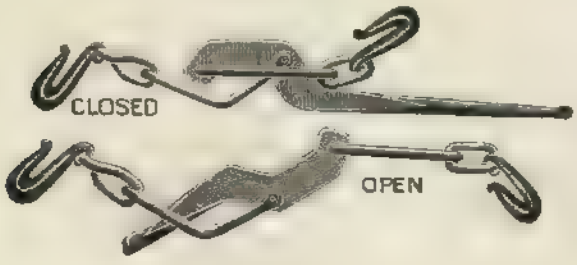


No. 643 Ring Dogs, ¾ inch square iron with 2 inch rings, per 100 pieces. $10.00

TRAILERS WITH STEEL FORGED SWIVELS

No. 281 Approximate weight per dozen 84 pounds..... per dozen, $37.50
Made with four links, hand forged from soft steel ¾ inch in diameter. The swivel is ⅝ inch length eighteen inches between grabs

LOAD OR LOG BINDERS



Benjamin Patent

No. 651 Hand forged and unbreakable, weight per dozen 132 pounds, per dozen $36.00

LOG MARKING HAMMERS

One, two or three letters to each hammer, each. $1 50

LAWN MOWERS

PENNSYLVANIA STANDARD

Extra wide crucible tool steel blades, oil hardened and water tempered.

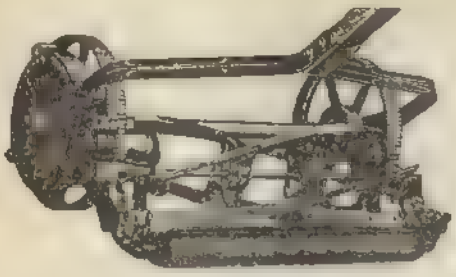
Triple train of gears, giving power and speed. Extra long wheel base. Cuts smoothly over uneven ground.

Malleable and cast parts, accurately machined to insure noiseless service

Flat pattern crucible tool steel bottom knife, hardened and tempered

Height of cut ⅝ to 1½ in Will cut grass standing 6 in. high

Hardwood handle, iron braces on cross bars



LOW WHEEL

8 in. Drive Wheels, 5½ in. Reel, Neatly Finished in Green, Red and Blue, Gold Striped.

Width of Cut, Inches...	12	14	16	18
No. of Revolving Blades.	3	4	4	4
Weight Each, Lbs.....	54	58	60	63
Each	$15.00	17 00	19.00	21.00

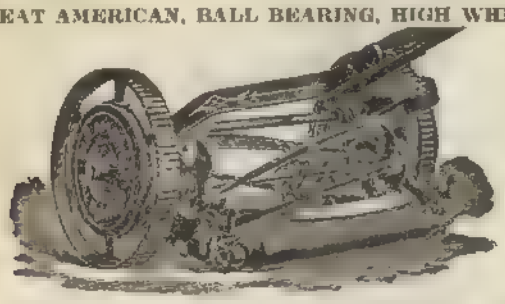
The Pennsylvania Standard is the Pioneer of all Lawn Mowers having an open cylinder open wheels and a train of gears. One in a Box.

HIGH WHEEL

10½ in. Drive Wheels, 6½ in. Reel, Neatly Finished in Green, Red and Blue, Gold Striped.

Width of Cut, Inches...	15	17	19	21
No of Revolving Blades.	4	4	4	4
Weight Each, Lbs.....	78	82	85	97
Each	$25 00	28 00	31 00	34 00

GREAT AMERICAN, BALL BEARING, HIGH WHEEL



10 in. Drive Wheels, 6 in Reel, 5 Revolving Blades, Neatly Finished in Aluminum and Gold, Red and Blue Striped.

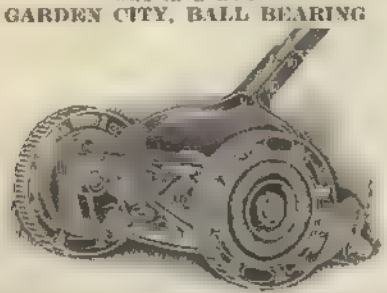
Width of Cut, Inches..	15	17	19	21
Weight Each, Lbs.....	66	67	71	76
Each	$25 00	28.00	31 00	34 00

Crucible tool steel blades, oil hardened and water tempered double gears, one in each wheel. Hardened tool steel cones and cups, highest quality extra large balls Malleable and cast iron parts accurately machined. Tempered crucible tool steel self-sharpened bottom knife with raised edge. Height of cut ½ to 1½ in. Will cut grass 6 in. high. Hardwood handle, iron braces on cross bar.

The perfectly fitted ball cups and cones insure an easy running machine.

One in a Box

GARDEN CITY, BALL BEARING



9 in. Drive Wheels, 5 in. Reel, 4 Revolving Blades, Finished Aluminum, Red and Gold Trimmings.

Width of Cut, Inches....	14	16	18
Weight Each, Lbs.....	45	48	50
Each	$.....	.....	...

Internal direct drive gears, flat sliding pawl ratchet in each drive pinion. Patent adjustable ball bearings, best tool steel bottom knife.

This mower has a simple, but positive and reliable adjustment of bearings One screw does it all, while a locking screw positively prevents it from getting out of adjustment.

One in a Box.

IMPERIAL, PARALLEL BEARING, HIGH WHEEL

10½ in. Drive Wheels, 6 in. Reel, Four Revolving Blades, Finished in Ivory White, with Red and Gold Trimmings.

Width of Cut, Inches...	14	16	18	20
Weight Each, Lbs.....	54	58	60	62
Each	$20.00	22 00	24.00	26 00

Internal direct drive gears, indestructible triple pawl ratchet in each wheel Patent split adjustable brass hanger bearings, renewable bronze bearings, patented reversible channel shaped double edged bottom knife. Positive lock adjustment, terrace mowing arrangement.

The knives are adjusted by means of patent hanger and a locking screw holds them securely in place.

The hanger is so constructed that all wear can be taken up in the bearings.

One in a Box

COLONIAL, BALL BEARING .

8 in. Drive Wheels, 5 in. Reel, 4 Revolving Blades, Finished in Aluminum and Red, with Gilt Trimmings.

Width of Cut, Inches....	12	14	16
Weight Each, Lbs	35	37	39
Each	$		

Internal direct drive gears, sliding pawl ratchets in each drive pinion Patent adjustable ball bearings, best tool steel bottom knife

The sliding pawl ratchets and the adjustment of both bearings and bottom knife is the simplest and most effective made. One screw only is required to adjust the bearings, by means of which all looseness in the revolving cutter bearing can be taken up.

One in a Box

LAWN MOWERS

ESSEX, BALL BEARING

11 in. Drive Wheels, 6½ in. Reel, 4 Revolving Blades. Finished in Gold and Red with Red Trimmings.

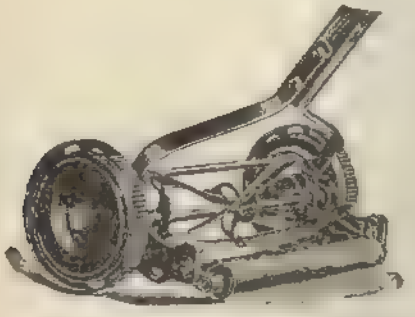
Width of Cut, Inches	14	16	18	20
Weight Each, Lbs	53	55	57	59
Each	$			

Oil tempered, crucible steel blades, 1⅞ in. wide, tempered crucible steel lower blade. Double pawl ratchet in pinion, 2⅛ in. diameter large roller.

Two gear internal driver and pinion type design, with open wheels and open frame, with ratchet in the pinions. The pinion revolving on the shaft when the mower is rolled backwards.

One in a Box.

PROSPECT, BALL BEARING



The patent cone adjustment on these mowers is made from left hand side of mower. Using the spanner wrench furnished with each machine. Loosen the set screw on head in reel and turn cone on shaft, to the right to loosen bearings, and to left to tighten the bearings. The small set screw is then tightened securely and the adjustment cannot work loose.

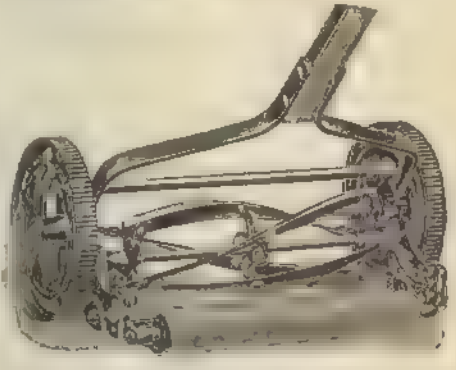
8 in. Drive Wheels, 3 Revolving Blades, Finished in Gold, Red and Aluminum.

Width of Cut, Inches	12	14	16	18
Weight Each, Lbs	38½	40½	42½	44½
Each	$			

Tempered tool steel blades, hardened and tempered crucible tool steel bottom knife. Patent cone adjustment 1⅛ in. diameter ball races, ⅛ in. tool steel balls.

One in a Box.

WARCO, BALL BEARING, HIGH WHEEL



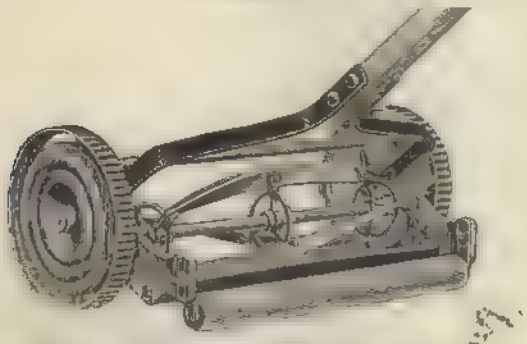
10 in. Drive Wheels, 4 Revolving Blades, Finished in Gold and Aluminum, with Red and Black Trimmings.

Width of Cut, Inches	12	14	16	18
Weight Each, Lbs	43½	45½	47½	49½
Each	$			

Tempered tool steel blades, hardened and tempered crucible tool steel bottom knife, patent cone adjustment.

One in a Box.

BANNER



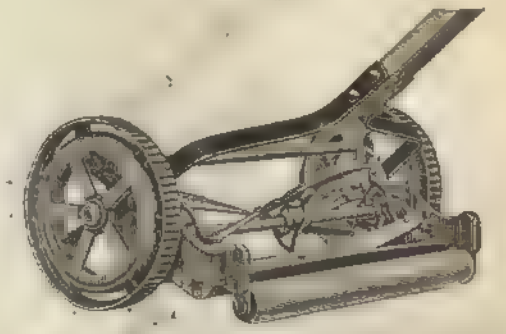
8 in. Drive Wheels, 5½ in. Reel, 3 Revolving Knives, Finished Apple Green and Gold Bronze, with Green Trimmings.

Width of Cut, Inches	12	14	16	18
Weight Each, Lbs	40	42	44	46
Each	$			

High grade blade steel blades, carefully tempered and spirally formed. Machinery steel reel shaft, with adjustable brass bushings to take up wear. All parts machined and fitted to insure accurate construction.

One in a Box.

TROJAN



8 in. Drive Wheels, 5½ in. Reel, 3 Revolving Knives, Finished Gold Bronze and Green.

Width of Cut, Inches	12	14	16	18
Weight Each, Lbs	38	40	42	44
Each	$			

Thoroughly tempered crucible steel knives, reel equipped with brass bushings and a lock nut device for taking up wear. Carefully milled connecting points. Shoulders are machined on each end of the cross rod to produce a rigid frame.

One in a Box

LAWN MOWERS

COLDWELL IMPROVED HORSE

15 in. Drive Rollers, 7 in. Reel, Finished in Aluminum, with Red and Gold Trimmings, Complete with Seat, Shaft and Side Draft Attachment.

4 Revolving Blades.

Width of Cut, Inches....	30	35	40
Weight Each, Lbs.....	560	625	650
Each	$110 00	135 00	170.00

6 Revolving Blades.

Width of Cut, Inches...	30	35	40
Weight Each, Lbs.....	570	635	660
Each	$120 00	145.00	180.00

External front drive gears, double triple pawl ratchets between rollers. Adjustable split bronze bearings. Best laid knife steel bottom knife.

These mowers have an attachment for raising the knives when crossing gravel walks and drives.

One in a Box

COLDWELL'S MOTOR-DRIVEN COMBINATION ROLLER AND MOWER

Direct Chain Drive Transmission, Multiple Disc Type Friction Clutch for Propelling Coldwell's Self-Releasing Friction Clutch for Driving Cutters, Speeds Up to 4 Miles an Hour, Will Negotiate 25% Grades.

Each

Model F 18 in. Roller, 40 in. Swath, Weight Each 1000 Lbs., Complete with Two Cutting Units $475.00

This Mower can be operated and cared for by ordinary labor and handled as easily as a hand lawn mower

Has bronze bearings, all bearings have direct lubrication from either oil or grease cups. The handles are not only used for guiding the machine, but for raising and lowering cutter unit over obstacles.

Coldwell's non-skid drive rollers, equipped with differential gears.

Cut Showing Propelling Drive Side.

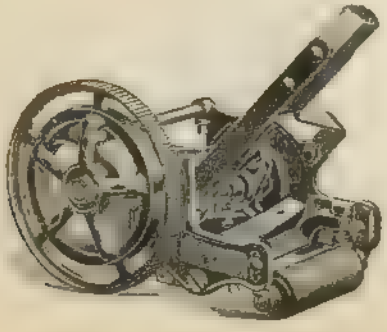
This mower besides being an efficient roller is a much handier machine for working around shrubbery, trees, etc. **It can be turned in a space of its own size, it will run backward as well as forward**

The detachable cutter unit consists of a small frame carrying simply the revolving cutter, the stationary knives and their adjustments and is made to set in main frame of the machine which carries the propelling parts

The knives of these mowers are the parts most liable to be damaged and when this happens with a detachable cutter unit machine it does not necessitate the laying up of the entire machine while repairs and adjustments are being made as another cutter unit already adjusted for use can be substituted in less than two minutes

One in a Box

LAWN TRIMMERS



TOWNSEND'S GLEANER, BALL BEARING

9 in. Drive Wheels, 5½ in. Reel, 4 Revolving Blades, Frame Finished in Gold, Heliotrope Wheel.

Width of Cut, Inches.....	8	10	12
Weight Each, Lbs.....	31	33	35
Each	$.....		

Tempered crucible steel blades, strong, light and powerful.. Only ⅛ inch of metal between the ends of blades and any obstruction to be cut around.

One in a Box

Extra Quality 10k and 14k Solid Gold Thimbles

PRICES EACH

7749 10k $6.00
7750 14k.. 8.75

7751 10k. $7.00
7752 14k..10.00

7753 10k .$7.00
7754 14k. 10.00

7755 10k $8.00
7756 14k .10.75

7757 10k. $7.00
7758 14k. 10.00

7759 10k $10.00
7760 14k 13.75

7761 10k.$10.00
7762 14k. 13.00

7763 10k $11.00
7764 14k ..00

Extra Quality Sterling Silver, Gold Band and Gold Filled Thimbles

PRICES EACH

No. 7765 $1.40

No. 7766, $0.50

No. 7767..$0.80

No. 7768 $0.80

No 770 $1.00

No. 7770 $2.00

No. 7771 $1.0

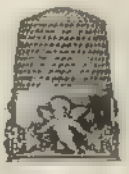
No. 7772 $ .00

No. 7773 $1.10

No. 7774 .$1.10

No. 7775..$2.50

No. 7776..$1.40



No. 7777..$1.65

Silver gold band
No 778 .$3.00

Gold
No 779 $3.50

Be sure to specify size wanted when ordering

Solid Gold Hat Pins

All 10k Gold Hat Pins are Fitted with Polished Gold Shell Steel Pins.

Illustrations show full size heads

PRICES EACH

Polished, length 6 inches
No. 7780 ... $3.00

English finish, length 6½ inches
No. 7781 .. $3.00

Roman finish, length 6 inches
No. 7782 .. $3.00

Roman finish, length 9½ inches
No. 7783.....$3.50

English finish, pierced design, signet top, length 8½ inches.
No. 7784.....$3.75

English finish, pierced design, carved and chased, length 7⅝ inches.
No. 7785 ....$6.00

Rose gold finish, pierced design, carved set with 5 fine amethysts, length 7¾ inches.
No. 7786 . $8.00

Fine Gold Filled and Rolled Gold Plated Hat Pins

Plated Steel Stems. **Illustrations show full size heads.**

PRICES EACH

Rolled gold plate
No. 7787 ... $0.50

Gold filled, English finish length
No. 7788 .. $0.90

Gold filled, English finish, engine turned scroll ornaments, length 6½ inches.
No. 7789 ... $1.00

Gold filled, Roman finish, engine turned scroll ornaments, length 9 inches.
No. 7790 $1.20

Rolled gold plate, Roman finish, length 6½ inches.
No. 7791.....$0.50

Gold filled, English finish, enameled top, signet center, length 8 inches
No. 7792 $1.20

Gold filled, English finish, signet top, length 8 inches
No. 7793 ... $1.50

Latest and Most Popular Styles in Ladies' Hat Pins

PRICES EACH

Gold filled, Roman finish, raised [illegible]
No. 7794.....$1 60

Rolled gold plate, rose gold and Roman finish, length [illegible]
No. 7795.....$0 80

Gold filled, pierced design, [illegible] length 6⅛ inches.
No. 7796 $1 [illegible]

Gold filled, Roman finish, raised [illegible] length 7½ inches.
No. [illegible]

Gold filled, English finish, amethyst set, length [illegible] inches.
No. 7798.....$1.30

Gold filled, English finish, [illegible] ter, length [illegible] inches.
No. [illegible] $1 [illegible]

Gold filled, English finish, [illegible] set, length [illegible] inches.
No. 7800.....$1 26

Silvered mounting, pearl center, 18 fine brilliants, length 10 inches.
No. 7801.....$. 10

Gold filled, English finish, blue sapphir top, pearl set, length 7⅛ inches.
No. 7802.....$1.90

Gold filled, English finish, pearl set, length 8⅛ inches.
No. 7803.....$1 60

Silvered mounting, brilliant center, 13 fine brilliants, length 10½ inches.
No. 7804.....$0.85

Silvered mounting, amethyst center, [illegible] brilliants, length 10½ inches.
No. 7805.....$0.60

Gold filled, English finish, pierced design pink coral rose, length 8⅛ inches.
No. 7806.....$1.60

Gold filled amethyst center, English finish, brilliant set, length 7½ inches.
No. 7807.....$2 30

Gold filled, Roman [illegible] length [illegible] inches.
No. 7808 Pair $1 50

Gold filled, Roman [illegible] length 6¾ inches.
No. 7809 Pair $3.25

Gold filled, English [illegible] length 8½ inches.
No. [illegible]

Gold filled, [illegible] length 6 inches.
No. [illegible]

Gold filled, [illegible] length 7⅛ inches.
No. [illegible] $0.80

Silver plated, black enameled top, pink coral rose, length 7⅛ inches.
No. 7813. ...$1 60

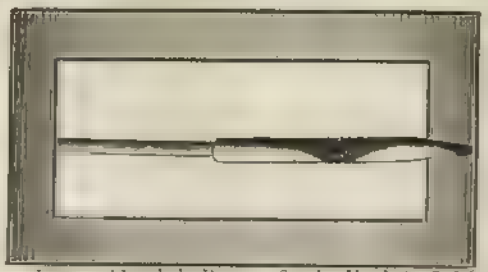
Silver plated, black onyx [illegible] length 7½ inches.
No. 7814 [illegible]

Ladies' Fine Gold Filled and Sterling Silver Slipper Buckles and Sash Pins

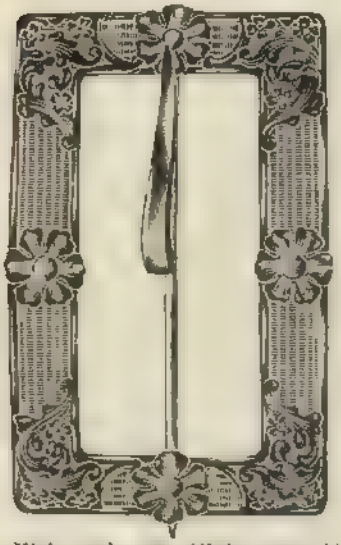
ILLUSTRATIONS ARE EXACT SIZE

SLIPPER BUCKLES
Sterling silver, polished
No. 7811 Per pair $1.75

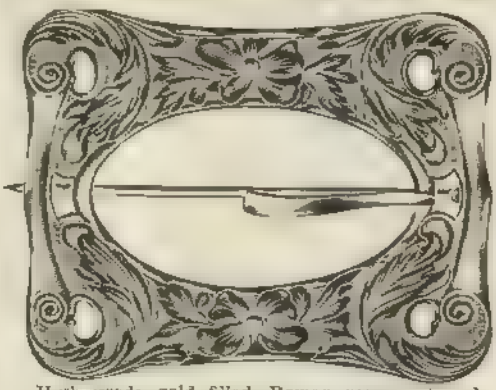
SLIPPER BUCKLES
Gold filled, Roman finish, bright cut edge
No. 7812 Per pair $1.50



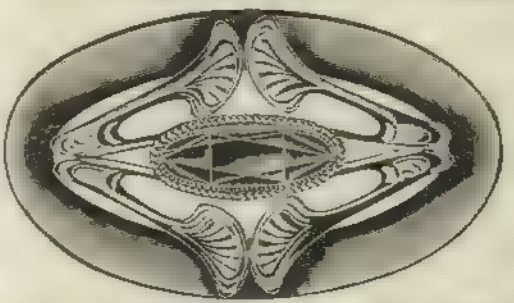
Fine gold filled Roman finish English finish edge
No. 7817 Each $1.50



High grade gold filled, rose gold and polished finish, embossed, hand carved and chased ornaments.
No. 7818 Each $2.00



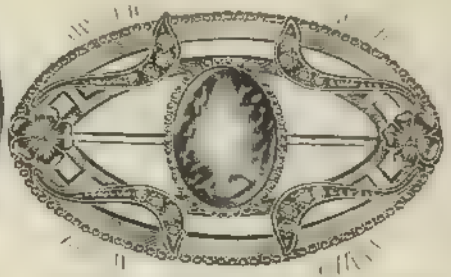
High grade gold filled Roman rose gold and polished finish, embossed, chased and engraved.
No. 7819 Each $1.75



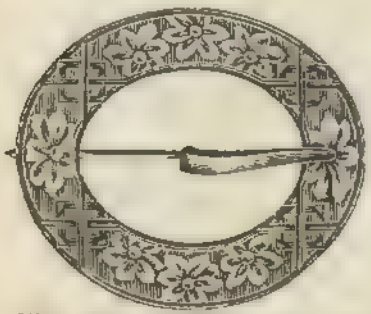
Highest grade gold filled, Roman finish, open work design, fine amethyst center.
No. 7820 Each ..... $

Highest grade gold filled Roman rose gold finish and English chased setting, raised ornaments and open work trimming, large pink coral stone set.
No. 7821 Each $4.50

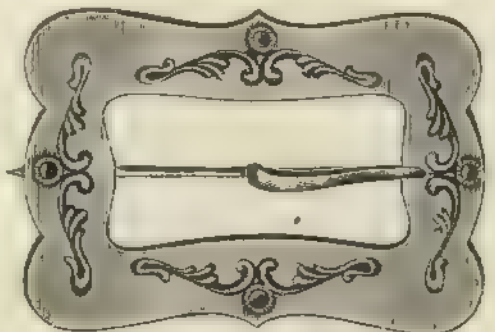
High grade gold filled Roman rose gold and English finish, hand carved and embossed, raised ornaments.
No. 7822 Each $2.00



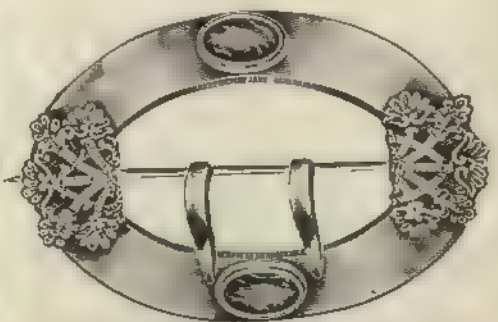
Highest grade gold filled Roman finish, raised ornaments set with 16 brilliants and green jade stone center.
No. 7823 Each $5.00



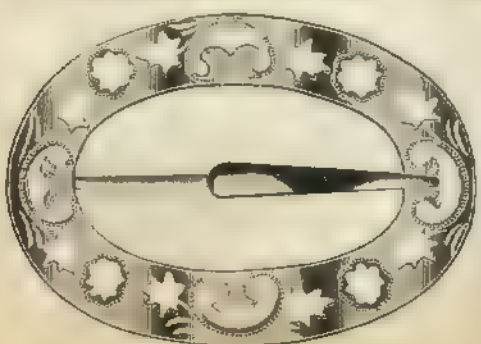
High grade gold filled, Roman rose gold and English finish, raised ornaments.
No. 7824 Each $1.75



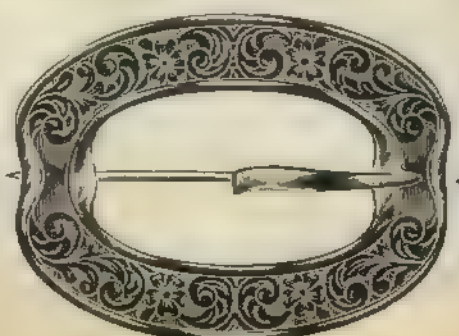
High grade gold filled, Roman rose gold finish, raised polished ornaments, set with 4 pink coral stones.
No. 7825 Each $3.00



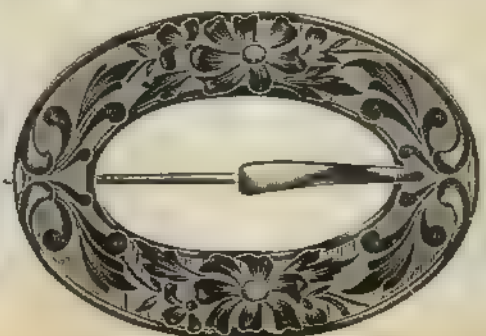
Highest grade gold filled Roman and rose gold finish, raised ornaments set with 2 green jade stones.
No. 7826 Each $3.00



Sterling silver, polished, etched, open work design, heavy weight.
No. 7827 Each $5.00



High grade gold filled Roman and English finish, hand carved and chased.
No. 7828 Each $1.75



High grade gold filled Roman rose gold and English finish, hand carved, chased and embossed.
No. 7829 Each $1.75

Fine Sterling Silver and Highest Grade German Silver Mesh Bags

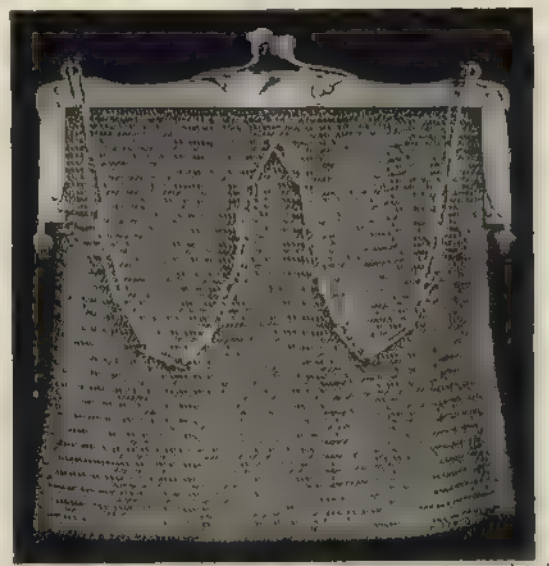
Sterling Silver are Guaranteed .925 Fine. Illustrations are reduced size. Artistically made, very fine mesh, every link soldered, without seams, and very rich and exquisite in appearance.

Sterling silver [illegible] and oxidized polished frame, the finest mesh obtainable, seamless soldered links and chain.

No. 7962	3¾	inch frame, polished silver ball clasps.	Each ..$40.00
No. 7963	4⅜	inch frame, polished silver ball clasps.	Each....46.00
No. 7964	5⅛	inch frame, sapphire stone set clasps.	Each... 59.00
No. 7965	6¼	inch frame, polished silver ball clasps.	Each... 75.00

Ster[illegible] silver, [illegible] oxidized polished frame, the finest mesh obtainable, seamless soldered links and chain.

No. 7966	4⅜	inch frame	Each .. $52.00
No. 7967	5⅛	inch frame	Each .. 66.75
No. 7968	6¼	inch frame	Each .. 89.00

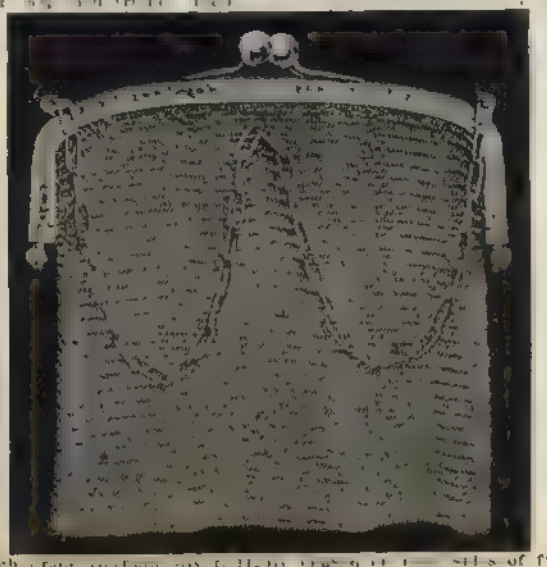


Sterling [illegible] oxidized polished frame, the finest mesh obtainable, seamless solid red links and chain sapphire stone set clasps.

No. 7969	4⅜	inch frame	Each .. $44.00
No. 7970	5⅛	inch frame	Each .. 66.00
No. 7971	6¼	inch frame	Each .. 83.50

The [illegible] silver [illegible] plated clasps, French gray frame, very fine mesh seamless soldered links and chain, sapphire stone set clasps.

No. 7972	4⅜	inch frame	Each .. $25.50
No. 7973	5⅛	inch frame	Each .. 33.00
No. 7974	6¼	inch frame	Each .. 41.00



High grade German silver, [illegible] oxidized finish, polished [illegible] of frame, fine mesh, seamless soldered links and chain.

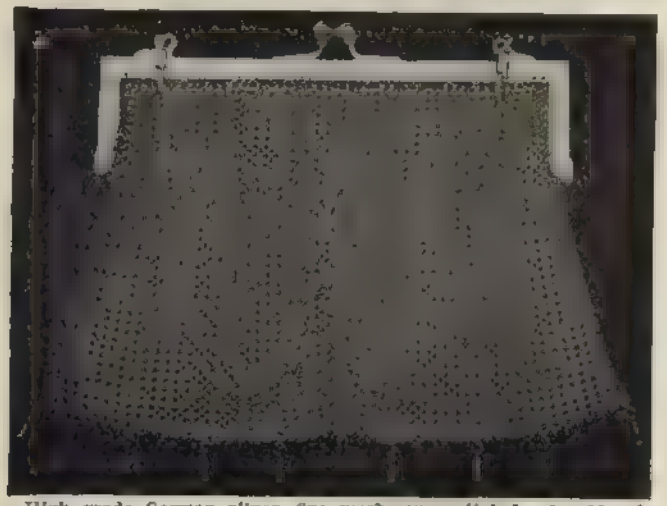
No. 7977	4⅜	inch frame	Each .. $18.50
No. 7978	5⅛	inch frame.	Each.. 21.50
No. 7977	6½	inch frame.	Each. 35.50

High [illegible] oxidized finish, [illegible] on both sides of frame, fine mesh, seamless soldered links and chain

No. 7978	4⅜	inch frame	Each .. $18.50
No. 7979	5⅛	inch frame	Each .. 21.50
No. 7980	6¼	inch frame.	Each... .. 25.50

Ladies' Fine German Silver and Gold Filled Mesh Bags

Heavy Silver Plated on German Silver, Latest and Popular Styles. Illustrations are Reduced Size. PRICES EACH



High grade German silver, fine mesh, every link hand soldered; satin finish frame.

No. 7981 6 inch frame, each $28.00
No. 7982 5 inch frame, each 24 00
No. 7983 4½ inch frame, each 20 00
No. 7984 3 inch frame, each 14 00

High grade German silver, fine mesh, every link hand soldered. French gray, artistically pierced and carved frame.

No. 7985 5¼ inch frame, each $17 00
No. 7986 4¼ inch frame, each 15.00

High grade German silver, fine mesh, every link hand soldered, French gray beautifully carved frame.

No. 7987 6 inch frame, each $17.00
No. 7988 5 inch frame each 13 00
No. 7989 4 inch frame each 11 00

Fine German silver, satin finish mesh (guaranteed) chased polished frame, soldered links and chain.

No. 7990 7 inch frame, each $18 50
No. 7991 6 inch frame, each 14 50
No. 7992 5 inch frame, each 11.50

Fine German silver, gilded and dull finish mesh, gunmetal trimmings, French gray etched frame.

No. 7993 6 inch frame, each $9.50
No. 7994 4¼ inch frame, each 7 50

German silver, heavy gold plated, English finish, fine unbreakable mesh, etched frame on both sides.

No. 7995 6 inch frame, each $26.00

LADIES' FINE GERMAN SILVER MESH BAGS

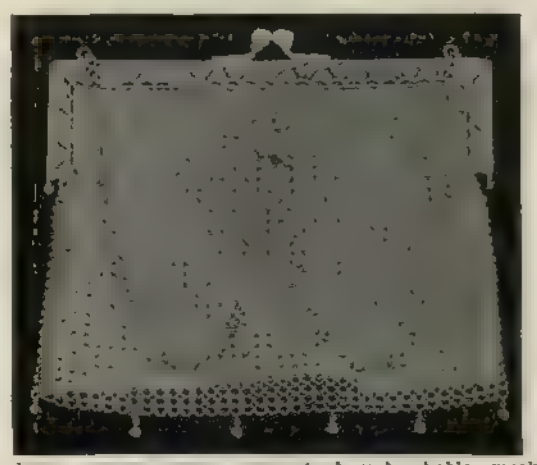
Illustrations are reduced size. Heavy silver plated on German silver. Latest and popular styles. Prices each

Fine German silver, guaranteed unbreakable herringbone mesh, French gray embossed frame.
No. 7996 6¼ inch frame. Each $7.50

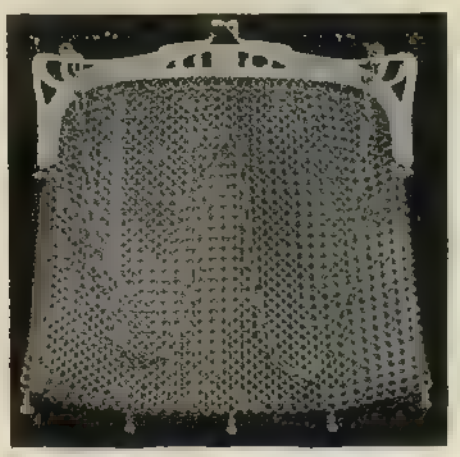
When you compare prices, consider our supreme quality.

The most exacting attention given to all orders, regardless of amount involved.

We base all prices upon small profits thereby underselling our competitors.

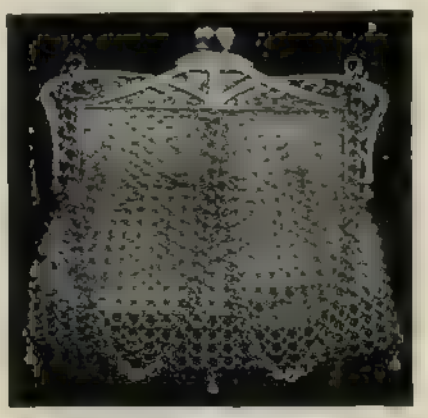


Fine German silver, guaranteed unbreakable mesh. French gray embossed frame, white kid lined, with coin pocket.
No. 7997 7-inch frame. Each $9.50



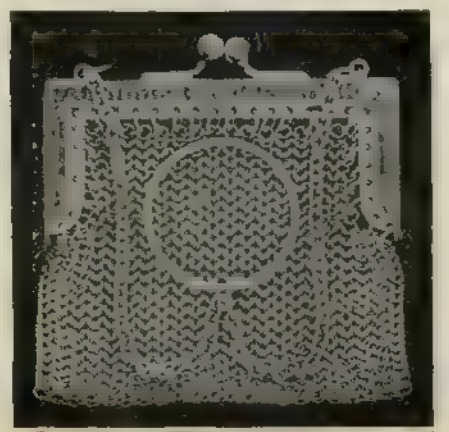
Fine German silver, guaranteed unbreakable mesh. French gray, hand-pierced metal tooled frame.
No. 7998 5¾-inch frame. Each $6.00

Fine German silver, guaranteed unbreakable mesh, durable chain width 3 inches.
No. 7999 Each $10.50

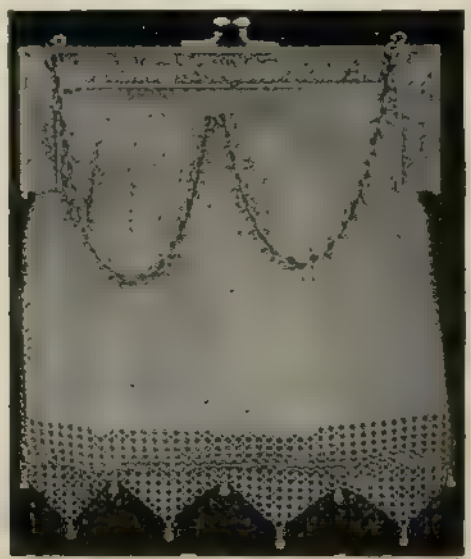


Fine German silver, guaranteed unbreakable mesh. French gray embossed frame, white kid lined, with coin pocket.
No. 8000 4¾ inch frame. Each $5.00

Fine German silver, guaranteed unbreakable mesh. French gray embossed frame, white kid lined, with coin pocket.
No. 8001 5½-inch frame. Each $9.50



Fine German silver, guaranteed unbreakable mesh, French gray etched frame.
No. 8002 3¾ inch frame. Each $3.75

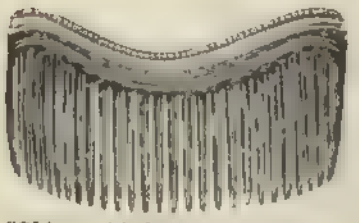


Fine German silver, guaranteed unbreakable mesh, French gray, etched frame, white kid lined, with coin pocket.
No. 8003 7½-inch frame. Each $10.50

LADIES' FINE BACK AND SIDE COMBS

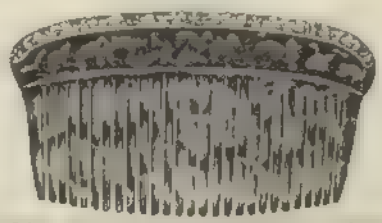
Finest Quality Tortoise and Amber Color Celluloid, beautifully trimmed with pleasing effects in the best gold filled or silvered mountings. NOTE—No. 7861 is trimmed on Amber Color Celluloid, while the balance is best quality Tortoise Color Celluloid

ILLUSTRATIONS ARE REDUCED SIZES



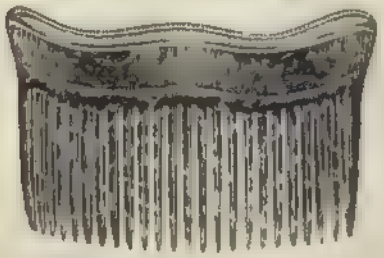
SOLID GOLD [illegible] BEADED MOUNTING.

No. 7842 [illegible] Each $6.00
Width, [illegible] inches; extreme height, [illegible] inches.
No. [illegible] Side combs to match, per pair $[illegible]
Width [illegible] inches; height, [illegible] inches.



SOLID GOLD [illegible] RICHLY CHASED MOUNTING.

No. 7844. Back comb ..... Each $4.00
Width [illegible] inches; extreme height [illegible] inches.



Gold filled mounting, Roman finish, beaded edge.

No. 7846. Back comb ..... Each $3.25
Width, 4¼ inches; extreme height [illegible] inches.
No. 847. Side combs to match, per pair $[illegible]
Width [illegible] inches; extreme height [illegible] inches.

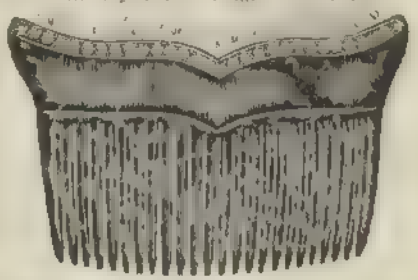
Gilded [illegible] mounting, raised pierced ornaments, Roman rose gold finish, set with [illegible] colored stones.

No. [illegible] Back comb ..... Each $[illegible]
Width 4[illegible] inches; height [illegible] inches.

GOLD FILLED MOUNTING.

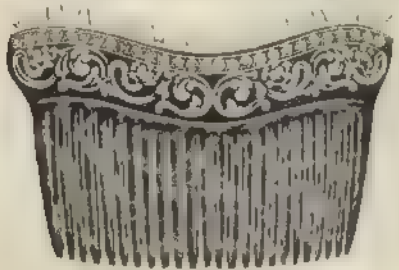
Roman rose and green gold finish, raised ornaments studded with brilliants.

No. 7851. Back comb ..... Each $[illegible]
Width, 4½ inches; extreme height [illegible] inches.



[illegible] gold filled mounting, Roman finish, studded with brilliants.

No. [illegible] Back comb ..... Each $4.50
Width [illegible] inches; extreme height [illegible] inches.
No. [illegible] Side combs to match, per pair $[illegible]
Width [illegible] inches; side height, [illegible] inches.



GOLD FILLED MOUNTING.

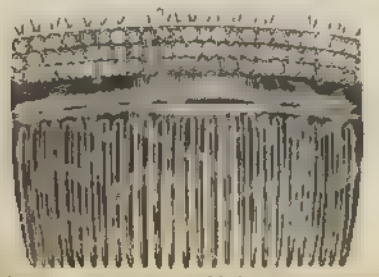
Roman, rose and green gold finish raised ornaments studded with brilliants.

No. [illegible] Back comb ..... Each $[illegible]
Width, [illegible] inches; extreme height, [illegible] inches.

GOLD FILLED MOUNTING.

Roman, rose and green gold finish, raised ornaments studded with brilliants.

No. [illegible] Back comb ..... Each $6.25
Width, [illegible] inches; extreme height [illegible] inches.



Silvered mounting, studded with ornaments

No. [illegible] Back comb ..... Each $[illegible]
Width [illegible] inches; height [illegible] inches.

Silvered mounting, studded with brilliants

No. 7860. Back comb ..... Each $[illegible]
Width, 4⅝ inches; extreme height [illegible] inches.

[illegible]

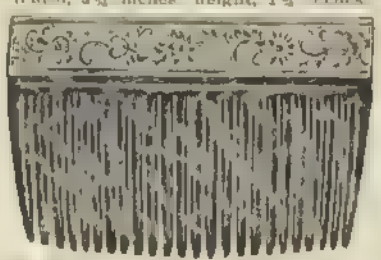
Rolled gold plate polished finish mountings.

No. [illegible] Back comb ..... Each [illegible]
No. 7846. Complete set of 3 pieces $3.00
Back comb, width [illegible] inches; extreme height [illegible] inches.
Side combs, width [illegible] inches; extreme height, [illegible] inches.

RAISED [illegible] FILLED MOUNTING.

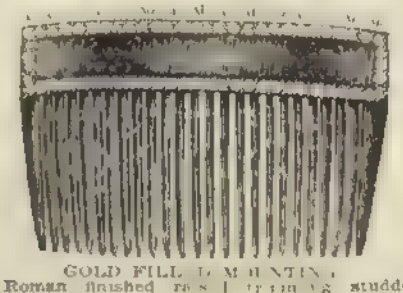
Roman finish studded with brilliants.

No. [illegible] Back comb ..... Each $4.50
Width, 4¾ inches; height 2[illegible] inches.
No. [illegible] Side combs to match ..... Per pair $8.00
Width, 3⅝ inches; height, 1⅝ inches.



Gold filled mounting, Roman finish, engraved ornaments.

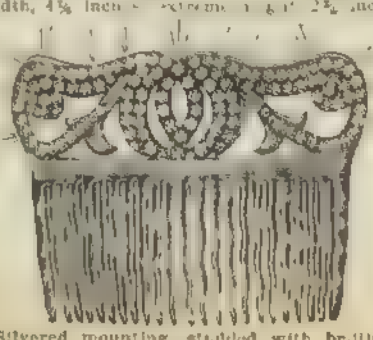
No. 7854. Back comb ..... Each $2.50
Width, 4½ inches; height 2¾ inches.
No. 7855. Side combs to match, per pair $1.75
Width, 3¾ inches; height [illegible] inches.



GOLD FILLED MOUNTING.

Roman finished rose [illegible] studded with brilliants.

No. 7858. Back comb ..... Each $7.00
Width, 4⅝ inches; extreme height 2⅝ inches.



Silvered mounting, studded with brilliants over amber color celluloid

No. 7861. Back comb ..... Each $7.00
Width, 4 inches; extreme height, 3⅛ inches.

LADIES' FINE BACK, SIDE COMBS AND BARRETTES

Illustrations are Reduced Size

Finest quality tortoise and amber color celluloid, beautifully gold inlaid in 22 karat. Pleasing designs.

NOTE No. 7873—is trimmed on amber color celluloid, while the balance is best quality tortoise color celluloid.

SETTING SET

22 karat gold inlaid Roman finish, set with brilliants

No. 7870 Per set complete $4.00

Back comb width 4¾ inches, height 3¼ inches

Side comb, width 4 inches; height 2¾ inches

22 karat gold inlaid, Roman finish, set with brilliants

No. 7871 Back comb width 4¼ inches, height 3¼ inches $4.00

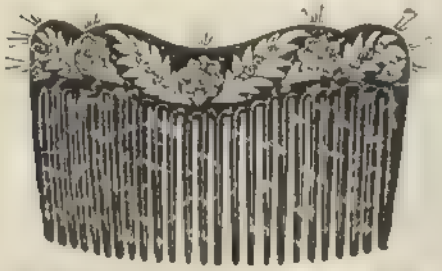
No. 7872 Side combs to match, width 1 inches, height 2¾ inches, Per pair 4.00

No. 7873 Barrette to match, width 4¼ inches, height 1⅝ inches ..... Each .75

22 karat gold inlaid Roman finish, set with topaz colored stones and brilliants

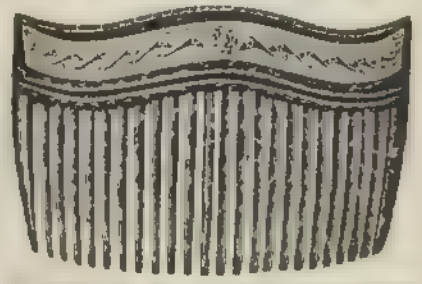
No. 7874 Back comb, width 4¼ inches, height 3¼ inches ..... Pair $4.00

No. 7875 Barrette to match, width 4¼ inches, height 1⅝ inches ..... Each 2.00



22 karat gold inlaid in green gold and Roman finish, set with best cutter stones, [illegible]

No. 7876 Back comb width, 4¼ inches, extreme height 3¼ inches ..... Each $4.00



22 karat gold inlaid Roman finish, studded with brilliants

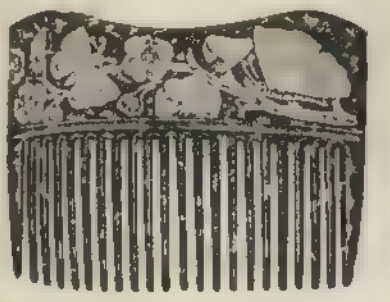
No. 7877 Back comb width, 4¼ inches, extreme height, 3 inches ..... Each $3.50

22 karat gold inlaid, Roman finish set with brilliants

No. 7878 Back comb width, 4¼ inches, height 3¼ inches ..... Each $3.25

Fine gold filled, Roman and colored gold finish, brilliants

No. 7879 Back comb width, 4¼ inches, height 3⅝ inches ..... Each $3.50

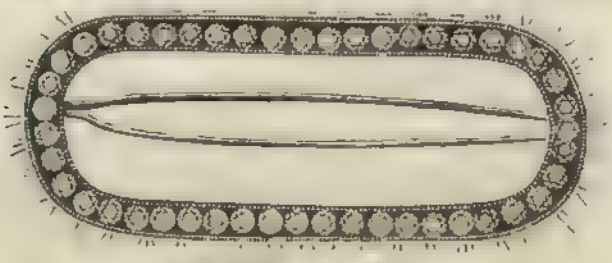


22 karat gold inlaid, Roman finish, set with brilliants.

No. 7880 Back comb, width, 4¼ inches, height ⅝ inches ..... Each $1.25

22 karat gold inlaid Roman and green gold finish, set with topaz center studded with brilliants on center roll bead

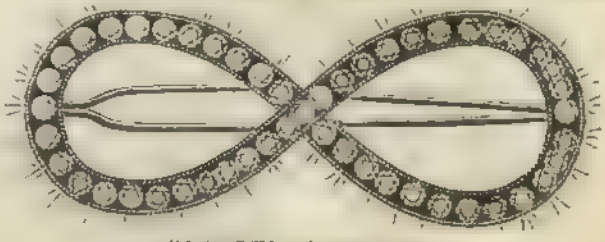
No. 7881 Back comb width 4¼ inches, height ⅝ inches ..... Each $3.50



BARRETTE Set with topaz

Silvered mounting studded with brilliants

No. 7874 Each $3.50



BARRETTE Set with topaz

Silvered mounting studded with brilliants

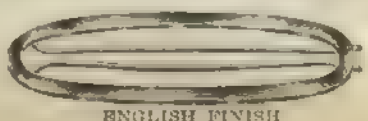
No. 7875 Each $3.50

FINE GOLD FILLED BARRETTES

Illustrations are exact size. Prices Each

ENGLISH FINISH

No. 7876 Each $1.10



ENGLISH FINISH

No. 7877 Each $1.10

ENGLISH FINISH

No. 7878 Each $1.10

Ladies' Fine Leather Hand Bags

Cuts are reduced size. Quality Guaranteed exactly as represented. Latest, most popular and right up-to-date bags at remarkably low prices

PRICES EACH

Black Morocco Goat leather, moire lined, German silver polished embossed frame, with coin purse to match with compartment. Size 6½ x 5 inches.

No. 7879 Each $4.00

Fine black straight grain Goat leather, moire lined, German silver plain polished, frame with coin purse to match with compartment. Size 7 x 7 inches.

No. 7880 Each $6.00

Fine black Morocco Goat leather, moire lined, extra fine Gilt finish frame, 4½ inches, mirror suspended on axle, adjustable coin purse to match with compartment, size 7½ x6½.

No. 7881 Each $7.00

Fine black Crepe Grain Goat leather, moire lined, German silver Gilt finish frame, round suspendable mirror, coin purse to match with compartment, size 7½x5¼ inches.

No. 7882 Each $8.00

Fine black Morocco Goat leather, moire lined, extra fine Gilt finish frame, 4½ inches, adjustable mirror suspended on axle, coin purse to match with compartment, size 7½ x 7 inches.

No. 7883 Each $8.00

Fine black Crepe grain Goat leather, moire lined, German silver polished frame, with mirror, pencil, containing and coin purse to match with compartment, size 7½ x 7½ inches.

No. 7884 Each $10.00

Fine black Crepe grain Goat leather, moire lined, German silver polished frame, round suspendable mirror coin purse to match with compartment, size 8x6¼ inches.

No. 7885 Each $12.00

Genuine Black Pin Seal leather, satin lined, German silver polished frame, suspendable round mirror, coin purse to match with compartment, size 7½x5¼ inches.

No. 7886 Each $13.00

Fine black crepe grain goat leather, moire lined, German silver polished frame round suspendable mirror, coin purse to match with compartment size 7½x5¼ inches.

No. 7887 Each $13.00

Black Crepe Grain Goat leather, moire lined, German silver Gilt finish frame, mirror and coin purse to match with separate compartments, size 8½x6½ inches.

No. 7888 Each $4.00

Black Crepe grain Goat leather, leather lined, German silver polished frame with coin purse to match, with compartment, size 8 x 7½ inches.

No. 7889 Each $5.00

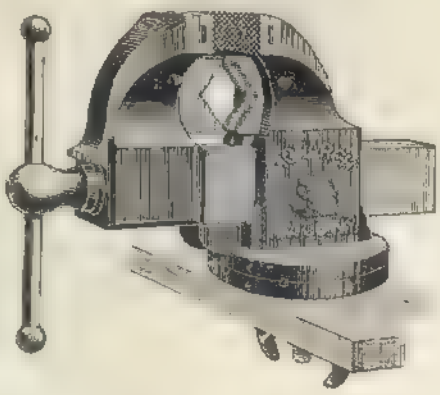
Fine black Morocco Goat leather, moire lined, German silver leather covered frame, suspendable round mirror, coin purse to match, with compartment size 7½ x 7 inches.

No. 7890 Each $6.00

VISES

VULCAN CHAIN PIPE VISE

COMBINATION PIPE VISE



These Vises are made entirely from wrought steel and are unbreakable in service. Their compact design enables the use of smaller space in storage or operation, and their greatly less weight is an unusual feature in tools with similar capacity. The drop-forged jaws are of steel, tempered for file sharpening; the hand made chains are of unsurpassed quality.

No.	Capacity Pipe, Inches, Size	Approximate Weight, Pounds, Each	Approximate Size Folded	Complete Vise
1	⅛ to 2	4	4 x 5 x 6	$ 3.50
2	¼ to 4	10	6 x 8 x 8	6.50
4	¾ to 8	30	8 x 10 x 12	18.00

Swivel Bottom

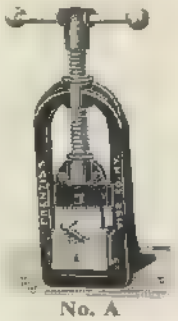
Nos.	401	402	403
Width of jaw, inches	3½	4½	5
Holds pipe, inches	⅛–2½	⅛–3	⅛–4
Weight, pounds	44	65	110
Each	$16.00	20 00	28.00

ANVIL VISE

An Anvil and Vise combined with jaws for holding pipe.

No. 380 Width of jaw 3 inches, opens 5 inches, weight 26 pounds, each..... $2.00

MALLEABLE PIPE VISE

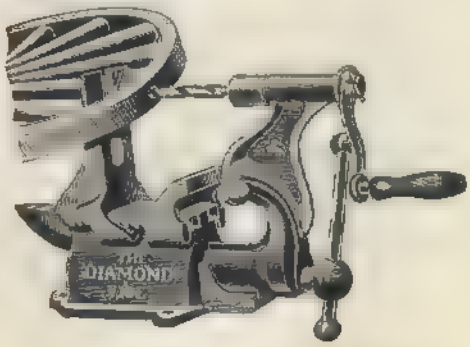


No. A

No. B, C and D

		Each
No. A	Holds pipe ⅛ to 2 inch, weight 9 pounds	$ 4 00
No. B	Holds pipe ⅛ to 2½ inch, weight 13 pounds	5 00
No. C	Holds pipe ⅛ to 3 inch, weight 20 pounds	6 75
No. D	Holds pipe ⅛ to 4½ inch, weight 35 pounds	10 00

DIAMOND VISES



No. 360 With Drill Attachment

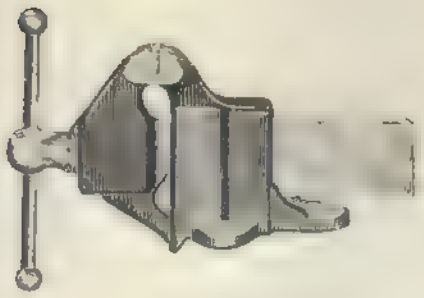
No. 350 Without Drill Attachment

Face of Anvil 7x3 inches. Holds pipe up to 2 inches.

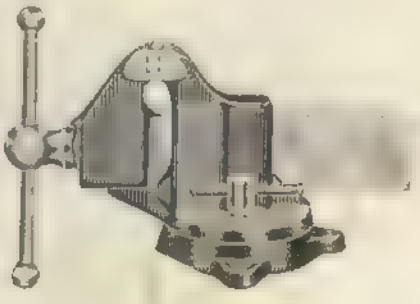
No.	Width of Jaws Inches	Opens Inches	Weight Pounds	Each
350	4	12	36	$7.00
360	4	12	50	9.00

Drill attachment weighs about 16 pounds

VISES



Stationary

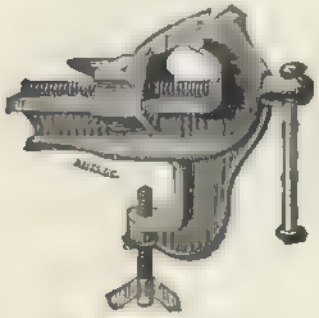


Swivel

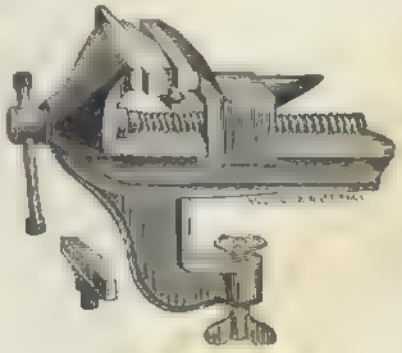
No.	Jaw, Inches	Opens, Inches	Weight, Pounds	Each
190	3	2½	17	$ 6.00
191	3½	4	22	7.00
192	4	5	28	8.50
193	4½	6	42	10.00
194	5	6½	54	13.00

No.	Jaw, Inches	Opens Inches	Weight, Pounds	Each
170	3	2½	20	$ 7.50
171	3½	4	28	8.75
172	4	5	38	10.50
173	4½	6	54	12.00
174	5	6½	65	16.00

BONNEY



Nos. 1, 1½ and 2



Nos. 3, 5 and 7

OVAL SLIDE

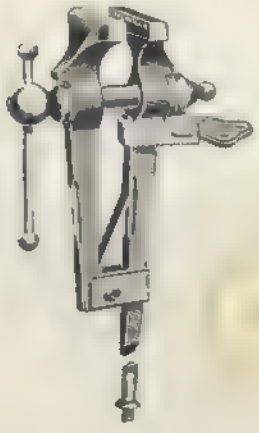
Nos. 361 to 365

No	Width of Jaws, Inches	Weight Pounds
1	1½	1¼
1½	1¾	1½
2	2	2
2½	2	2½
3	2½	2¾
3½	2¼	2½
4	2¾	5
5	2¾	5
6	2¾	5
7	2¾	5

	Per Dozen
With anvil, plain iron jaws	$ 3.75
With anvil, plain iron jaws	5.00
With anvil, plain iron jaws	6.50
With anvil, plain steel jaws	9.75
With anvil, swivel steel jaws	12.00
With anvil, plain iron jaws	8.50
With anvil, plain iron jaws	10.50
With anvil, swivel iron jaws	13.50
With anvil, plain steel jaws	19.50
With anvil, swivel steel jaws	22.50

No.	Jaw Inches	Opens Inches	Weight Pounds	Each
361	2½	3¾	8	$2.50
362	3	4	14	3.00
363	3½	4½	22	4.75
364	4	4½	30	6.50
365	4½	4¾	35	8.00

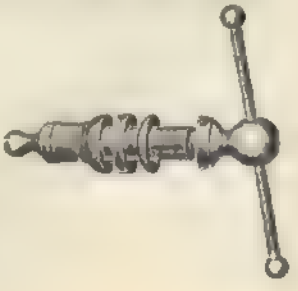
BLACKSMITHS' VISES, SOLID BOX, WROUGHT STEEL



Number or Weight	Length of Jaws	Opens Inches	Each
35	3¾	3¾	$10.00
40	4	4	10.50
45	4¼	4¼	11.00
50	4	4	11.50
55	4¾	4¼	12.00
60	5	5	13.00
65	5	5	14.00
70	5¼	5	15.00
75	5¼	5	16.00
80	5¼	5¼	17.50
85	5	5¼	18.50
90	5¾	5¾	20.00

Number or Weight	Length of Jaws	Opens Inches	Each
95	5¾	5¾	$21.00
100	6	6	22.00
110	6	6	24.00
120	6½	6½	26.00
130	6½	6½	29.00
140	7	6¾	33.00
150	7	7	36.00
160	7¼	7½	41.50
170	7¼	8	44.50
180	7½	8	47.00
200	8	8	56.00

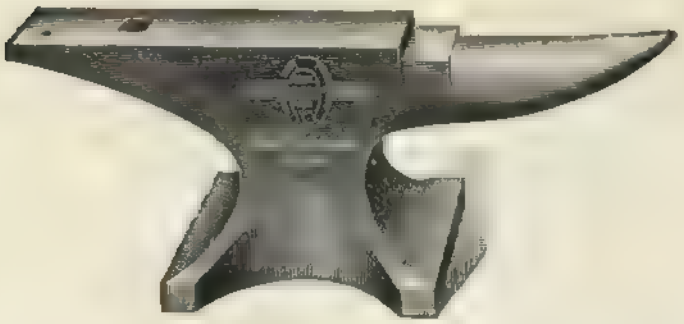
VISE BOXES AND SCREWS



Nos.	1	1½	2	2½	3	3½	4
For vise, sizes	25 to 40	45 to 55	60 to 65	70 to 75	80 to 85	90 to 95	100 to 125
Diameter screw, inches	1	1⅛	1¼	1¾	1⅜	1⅜	1¾
Diameter box, inches	1¼	1⅝	1¾	1¾	1⅞	1⅞	2⅛
Each	$3.50	4.00	4.00	4.50	4.50	6.50	7.00

BLACKSMITHS' ANVILS

CRANBERRY



Solid wrought. Heavy cast steel face. Perfect temper. Fully warranted

Weight	60	70	80	90	100
Per pound ...$	....	....	....	....	....
Weight	110	120	150	200	250
Per pound ...$	....	....	....	....	....

PETER WRIGHT'S

Solid wrought English made Anvils

Weight	60	70	80	90	100
Per pound $	.	.	.	.	....
Weight	110	120	150	200	250
Per pound $	....	....	....	....	....

EAGLE

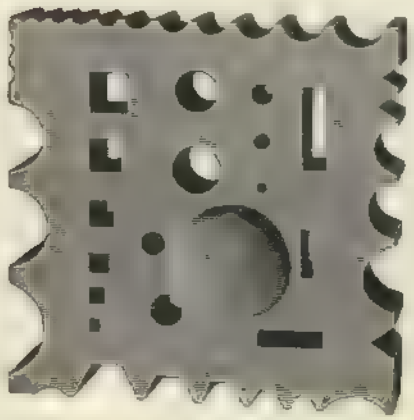
Double thick edges. Face of best tool steel. Solid steel horn. Warranted.

Weight	60	70	80	90	100	110	120
Eagle Per pound ...$	....	....	....	....	....	....	....

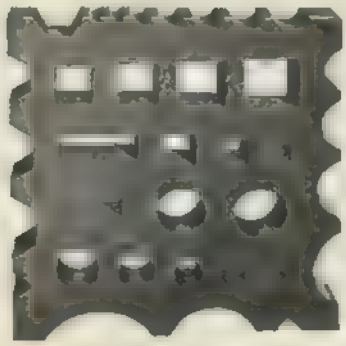
CAST IRON ANVILS

Weight	60	70	80	90	100
Per pound $			.	.	

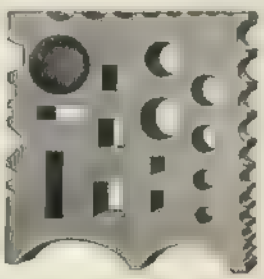
*SWAGE BLOCKS



Shape No. 5



Shapes Nos. 1½, 2½, 3½



Shapes Nos. 4 and 4½

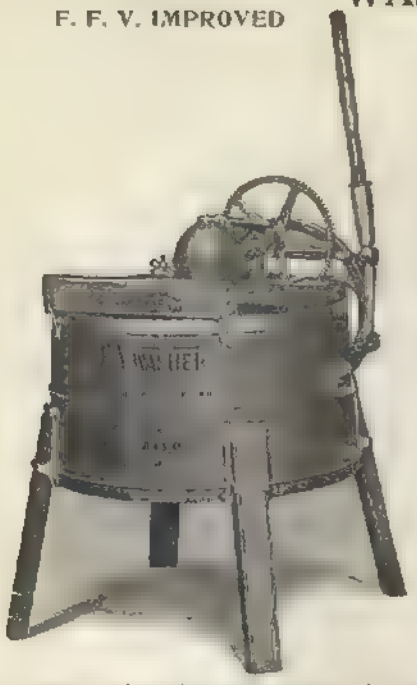
Shapes Nos. 1, 2 and 3

Nos.	*1	*1½	*2	*2½	*3	*3½	*4	*4½	*5
Size, inches	3½ x 10 x 14	4 x 12½ x 12½	3⅞ x 11 x 15	4 x 15 x 15	4⅛ x 11 x 15	4¼ x 16 x 16	4 x 15 x 15	4½ x 18 x 18	6 x 24 x 24
Weight, pounds	100	100	125	160	145	190	165	225	625
Per pound $	..	.	.	...	....	...	...	..	...

*Not carried in stock; can be shipped promptly from factory

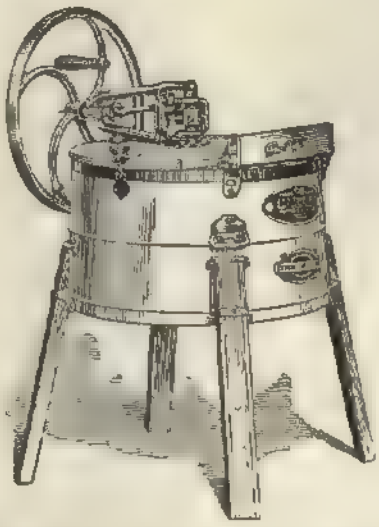
WASHING MACHINES

F. F. V. IMPROVED



This is a high speed washer with improved gearing, driven by a forged steel pitman rod. Has high class white cedar tub with electric welded hoops, shipping weight crated 100 pounds. Each $14.00

MAJESTIC

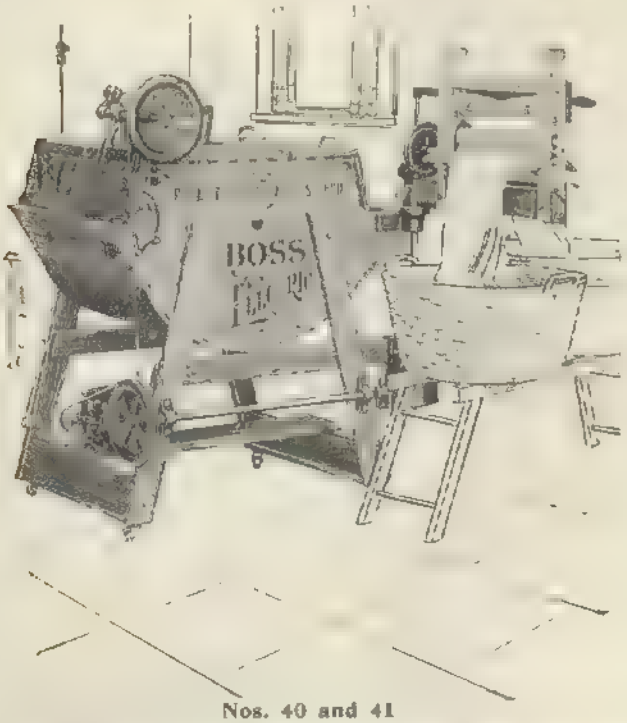


Easy running, has 7 roller bearings, large well balanced fly wheel. Has Virginia white cedar tub with galvanized electric welded hoops, shipping weight crated 80 pounds. Each $11.50

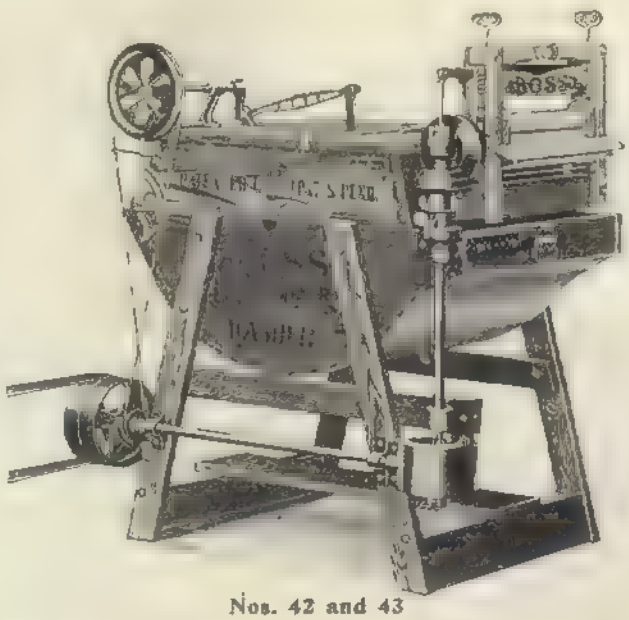
Electric

BOSS

Engine Driven



Nos. 40 and 41



Nos. 42 and 43

Body is clear cypress wood, natural finish with heavy galvanized iron bottom and galvanized hardware and castings where necessary.

		Each
No. 32	Ordinary family size, hand power, weight 120 pounds	$ 17.00
*No. 33	Large hotel and family size, hand power, weight 125 pounds	17.50
*No. 40	Ordinary family size, electric power, weight 300 pounds	100 00
*No. 41	Large hotel and family size, electric power, weight 325 pounds	106 00
*No. 42	Ordinary family size, engine power, weight 275 pounds	50 00
*No. 43	Large hotel and family size, engine power, weight 300 pounds	56.00

Nos. 32 and 33 have grooved fly wheel which can be belted to power if so desired. They are style of above illustrations, less the power attachments.

*Not carried in stock; can be shipped promptly from factory.

WASHING MACHINES

*VALLEY CITY

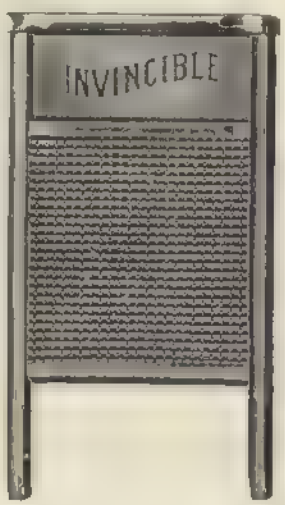
Will operate on a water pressure of 20 pounds or over. All wearing parts are brass. The tub is best grade cypress with strong iron hoops, natural wood finish, weight crated 60 pounds.
Each $25.00

*PREMIER

High speed water motor, all brass. Will operate on 20 pounds or over. The tub is selected hardwood with strong iron hoops, wire wound hose connections, weight crated 60 pounds.
Each $22.00

WASH BOARDS

No. 820 Small family size, single surface coated steel, good quality, weight per dozen 27 pounds.
Per dozen ..... $.....

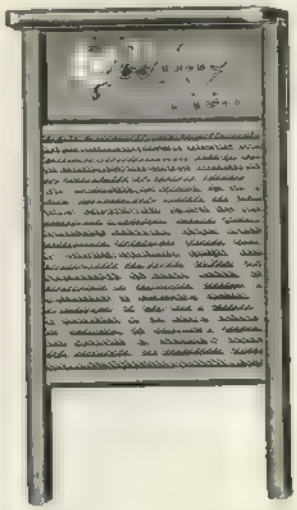


No. 830 Small family size, double surface coated steel, globe crimp one side, plain crimp on the other, weight per dozen 30 pounds, per dozen..... $ ...

*Not carried in stock; can be shipped promptly from factory

WASH BOARDS

GLASS BOARD



No. 862 Large family size, extra heavy glass plate [illegible] corrugated crimp, wide head, select quality [illegible] finish. Well braced [illegible] weight per dozen 30 pounds. Per dozen [illegible] $

Half dozen in a crate

BRASS BOARD

No. 100 Brass [illegible] crimp board truss back, hardwood [illegible] frame, satin finish, weight per dozen 28 pounds. Per dozen [illegible] $

Half dozen in a crate

CRANBERRY, BRASS

Cranberry, brass spiral crimp truss back, hardwood frame, 11 inch rubbing surface, weight per dozen 29 pounds. Per dozen [illegible] $

Half dozen in a crate

CAROLINA

Carolina, galvanized [illegible] double surface, poplar frame, [illegible] built, weight per dozen 33½ pounds. [illegible] dozen [illegible] $

Half dozen in a crate

CLOTHES PINS

REGULAR

Best quality, wax finish, full length, weight per gross 4 pounds. In bulk, per case [illegible] $.....

In 2½ dozen cartons, per case [illegible]

Two gross in a case

HOLDFAST

Polished maple, galvanized steel spring, weight per gross 3 pounds. In one gross cartons, per gross..... $ . . .

In quarter gross cartons, per gross [illegible]

Three dozen or one gross in a carton

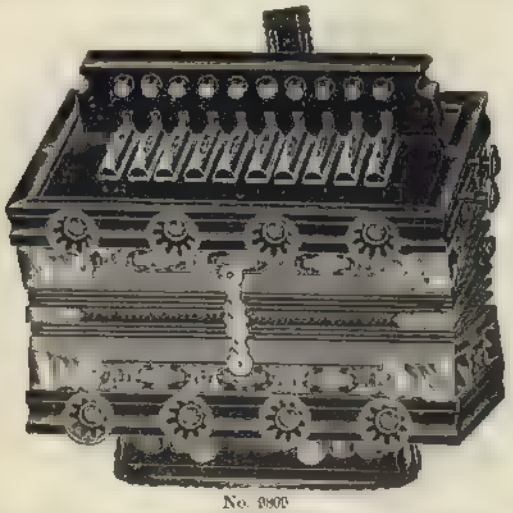
ACCORDEONS

No. 9803
Size 4¼x9¾ inches.

No. 9801 Ebonized case and mouldings, double bellows, corners and clasps. 10 keys, 3 stops, 1 set of reeds.....each, $3.50

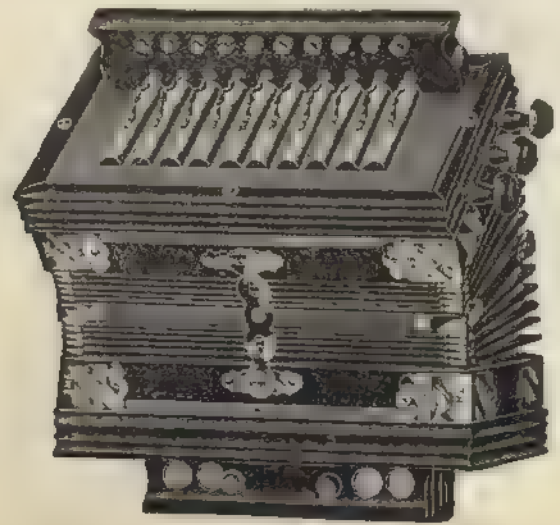
Size 4¾x9¾ inches.

No. 9803 Ebonized case and mouldings, open action, double bellows, corners and clasps. 10 keys, 2 stops, 1 set of reeds.....each, $4.00



No. 9809
Size 5½x10½ inches.

No. 9809 Ebonized case and mouldings, open keyboard, double bellows, nickeled corners and clasps, cigar green and gilt bugles. 10 keys, 2 stops, 1 set of reeds.....each, $5.85



No. 9933
Size 10x5¼ inches.

No. 9933 Ebonized mouldings and key board, attractively finished, blue panels with gilt ornamentation, nickel bellows protectors, nickel corners and clasps, double bellows. 10 keys, 3 stops, 3 sets of reeds.....each, $7.25

No. 9901
Size 4¾x9¼ inches.

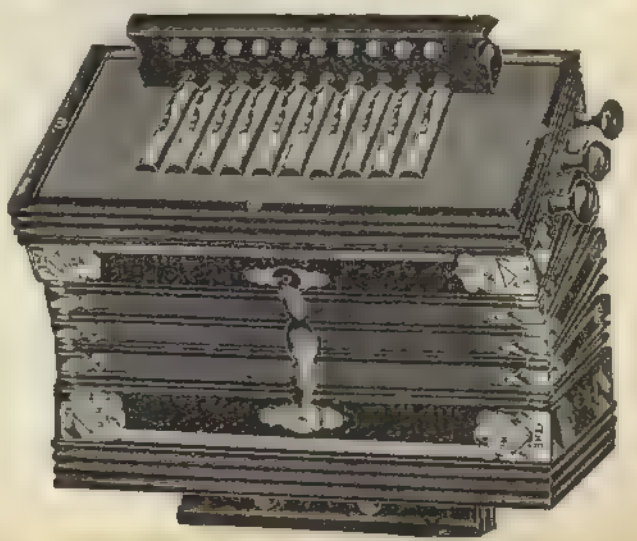
No. 9900 Ebonized panels and mouldings, open keyboard, nickel keys, corners and clasps, double bellows. 10 keys, 2 stops, 1 set of reeds.....each, $4.50

Size 5½x9¾ inches.

No. 9901 Ebonized case and panels, open keyboard with nickel moulding, double bellows, nickeled corners, clasps and bellows protection. 10 keys, 2 stops, 2 sets of reeds.....each, $5.35

No. 9930—Size 5¼x10½ inches.

No. 9930 Mouldings, panels, bellows and frames handsomely colored and attractively finished in several colors—red, blue and green, nickel corners and clasps, nickel bellows protectors, bone button keys, quadruple bellows. 10 keys, 3 stops, 2 sets of reeds.....each, $6.50



No. 9936—Size 12x5 inches.

No. 9936 Ebonized mouldings and keyboard, attractively finished, blue panels, bone buttons, nickel keys, nickel bellows, protectors, corners and clasps, quadruple bellows. 10 keys, 3 stops, 3 sets of reeds.....each, $8.25

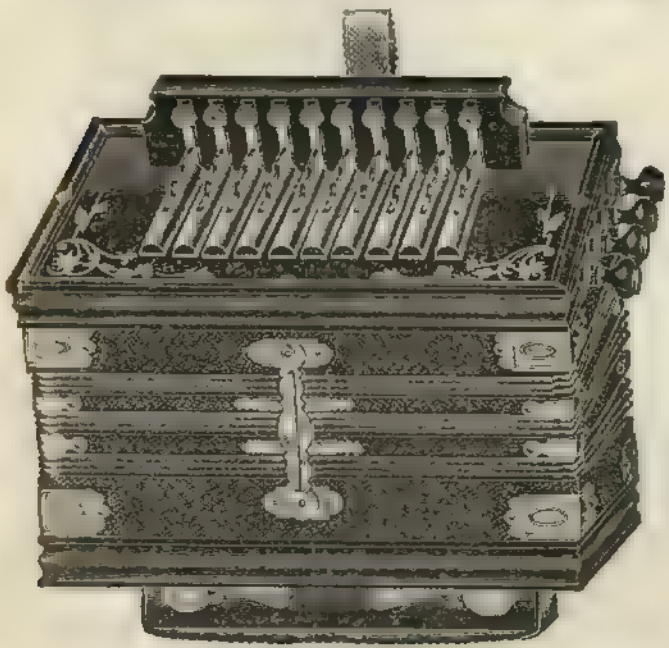
ACCORDEONS

No. 9817.

Size, 6x11¼ Inches.

Ebonized Panels and Mouldings, Triple Bellows, Metal Thumb-screw Top Fasteners and Corner Protectors.

No. 9817 10 Long Pearl Tipped Keys 3 sets Hand-made Steel Bronze Reeds, 3 Stops, 2 Long Model Bass Keys....Each $10.50
No. 91817 Same as above, but Genuine Steel Reeds ... Each $13.50
No. 9818 Size 6½x11¾. Walnut Finish Panels, Black Mouldings, Thumb-screw Top Fasteners, Triple Bellows, Nickel Corner Protectors and Clasps, 10 Medium Length Keys with Pearl Buttons, 4 Sets of Steel Bronze Reeds, Octave Tuning, 4 Wooden Stops, 2 Long Model Bass Keys..Each $12 25
No. 91818 Same as above, but Genuine Steel Reeds..Each $16 50



No. 98...

Size, 7⅝x12⅛ Inches.

Ebonized Case, Triple Bellows, with Keratol Covered Frame Metal Corner Protectors, TUNED IN OCTAVES (One set tuned in thirds).

No. 9823 10 Long Pearl-tipped Keys, 4 Wooden Stops, 4 Sets of Reeds.....Each $13.25

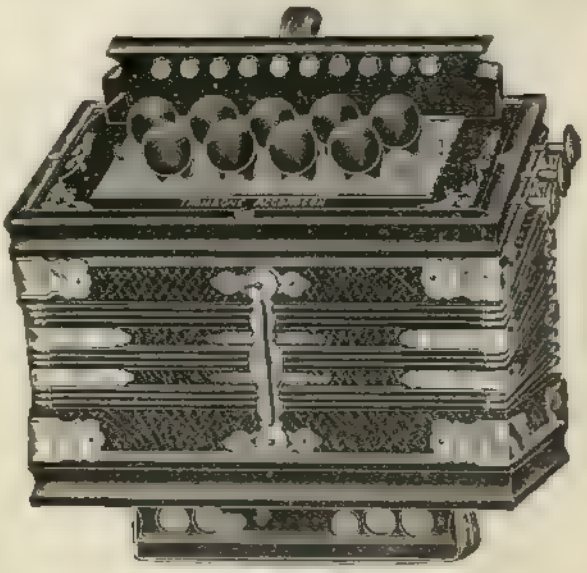
Fluted Mouldings, Imitation Mahogany, Panel Mahogany, Sunken Open Action Keyboard, Pearl Button Keys, Nickel Bellows Protectors, Nickel Corners and Clasps, Double Bellows.

No. 9419 19 Keys, 4 Stops, 4 Sets of Reeds, Size 14½x7 inches .....Each $23.50
No. 9421 Same as No. 9419, with 21 Keys, 4 Sets of Reeds, Size 15x7½.....Each $25.75

No. 91009
Size 6¼x11¼ Inches.

Oak Finish Panels, Ebonized Mouldings, Open Keyboard, Nickel Keys, Bellows Protectors, Nickel Corners and Clasps, Double Bellows

No. 91009 10 Keys, 4 Stops, 4 Sets of Extra Broad, Warranted Hand-made, Steel Bronze Reeds.....Each $9.25



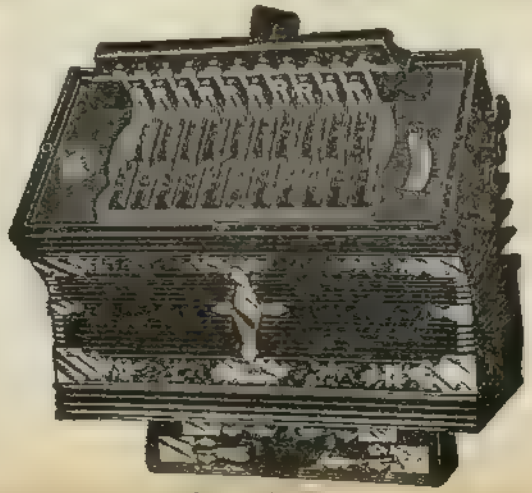
No. 982[illegible]

TROMBONE ACCORDEON.

Size 6½x11 Inches.

Ebonized Panels and Mouldings, Triple Bellows with Nickel Corner Protectors and Clasps, Nine Double Bellows, Nickel Corners and Clasps, 9 Form. Shaped Bugle at Top

No. 9826 10 Round White Keys, 3 Stops, 3 Sets of Wagner Reeds .....Each $11.50



Nos. 9419 9421.

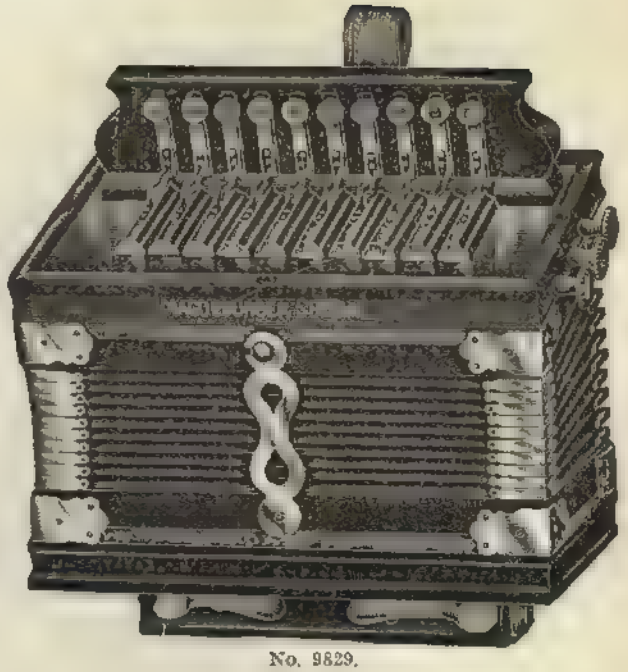
ACCORDEONS

Nos. 91119-91121.

Size 12x7 Inches.

Ebonized Mouldings and Panels, Open Action Keyboard Ornamented with Gilt Designs, Nickel Button Keys, Bellows Protectors, Corners and Clasps, Triple Bellows, with Nickel Corner Protectors.

No. 91119 19 Keys, 4 Sets of Reeds, Each..... .... ..$12 25
No. 91121 21 Keys, 2 Stops, 4 Sets of Reeds Each 12 75

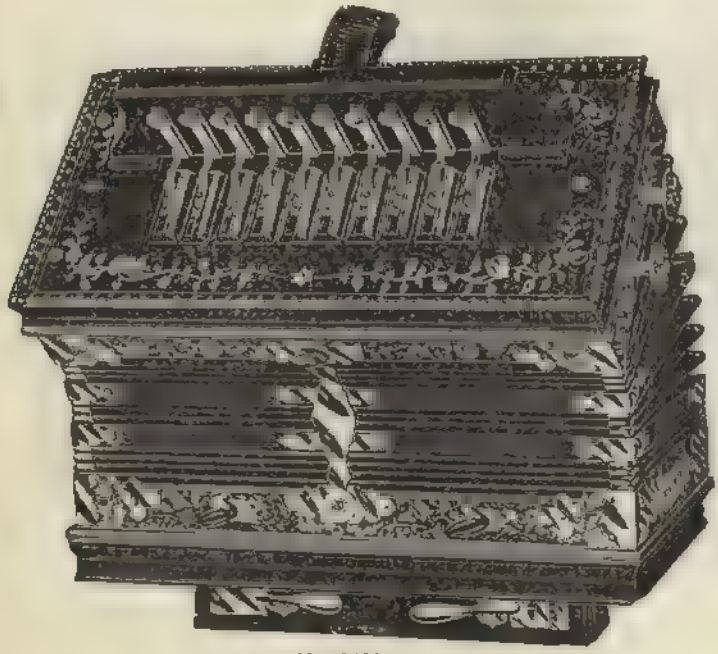


No. 9829.

Size 7x11¾ Inches.

Ebonized Case and Panels, Open Keyboard, 10 broad Bellows-folds with Brass Protectors, Cloth Covered Bellows. TUNED IN OCTAVES, producing a quality and volume of tone not found in the average accordeon

No. 9829 10 Long Pattern Keys with Pearl Finger-buttons, 2 long Bass Keys, 3 Sets of Extra Broad Reeds, Each $24 00

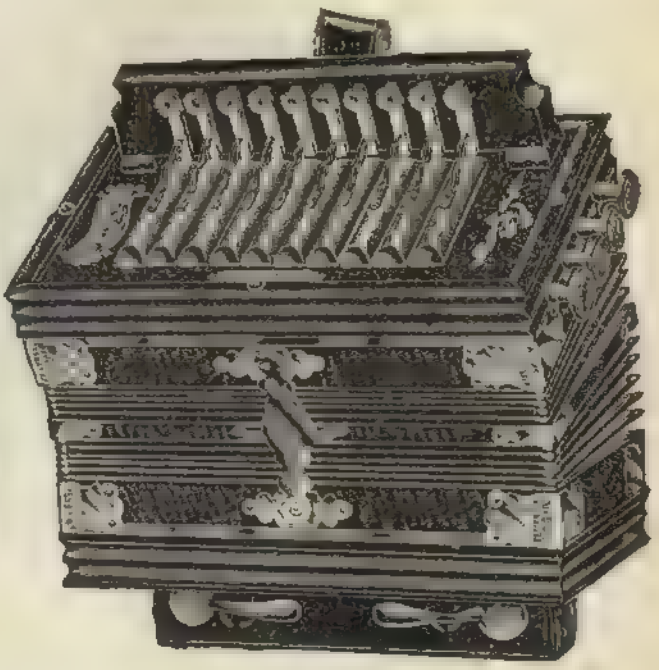


No. 9406.

Size 14x7¾ Inches.

Ebonized Mouldings with Nickel Cornice, Highly Polished Panel Inlaid with Pearl and German Silver, Pear. Button Keys, Open Action Keyboard so arranged that springs may be replaced without taking the instrument apart. Nickel Corners and Clasps, Triple Bellows with Bellows Protectors.

No. 9406 10 Keys, 2 Stops, 2 Sets of Reeds, Each.. .. ..$15.75



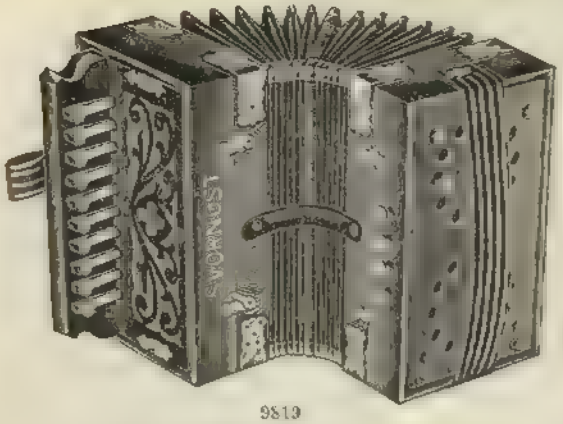
No. 9408

Size 12x6¾ Inches.

Ebonized Mouldings, Keyboard and Panels, Panels Decorated with Silver Ornaments, "Quick Repair" Open Keyboard, which facilitates replacing springs without taking the instrument apart, Nickel Bellows Protectors, Corners and Clasps.

No. 9408 10 Keys, 4 Stops, 4 Sets of Reeds, Each.....$15.75

VIENNA ACCORDEONS



9819

Size 5½x9¾. Rosewood Finish Case, scroll top, 11 substantial bellows-folds, "ACME ADJUSTABLE CASE AND BELLOWS FRAME TIGHTENERS" leather clasps, 10 long keys, pearl buttons, 2 sets of reeds, 4 basses.

No. 9824.....Each $10 25

Same as above, but with black frame and bellows, and genuine steel reeds.

No. 9825.....Each $12 25

Size 5½x9¾. Case Mahogany Finish, both top and bottom, blue edges, fretwork panel, 13 bellows-folds, corner protectors and leather clasps, 10 long white keys with pearl buttons, 2 sets of Wiener reeds, 4 basses, and equipped with "ACME ADJUSTABLE CASE AND BELLOWS-FRAME TIGHTENERS"

No. 9819.....Each $12 25

Size 5½x10¼. Rosewood Finish Case, white panels, fancy fretwork top, 15 bellows-folds with corner protectors and leather clasps 10 long keys with white pearl finger-buttons, "ACME PATENT ADJUSTABLE CASE AND BELLOWS-FRAME TIGHTENERS," 2 sets of hand-made steel bronze reeds, 4 bases.

No. 9820.....Each $13.50

Same as No. 9820, but has ebonized case, white panels, and genuine steel reeds.

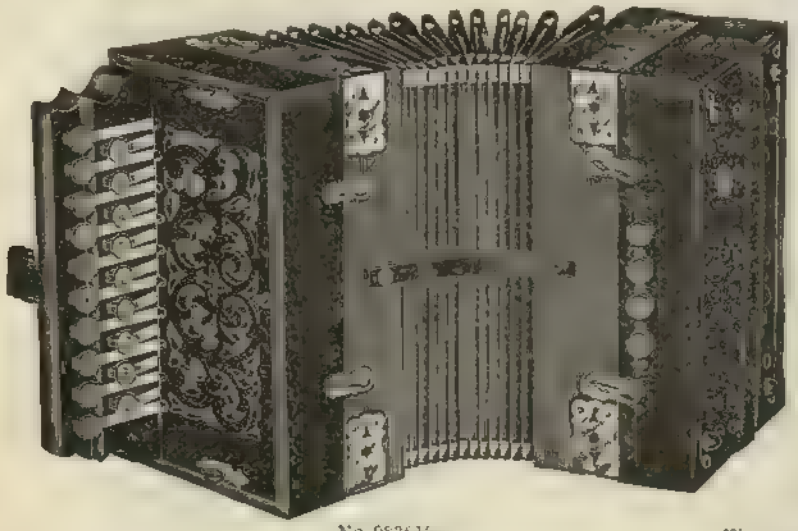
No. 9821.....Each $15 25

Size 5½x9¾. Ebonized Case, gilt ornamentation, fretwork panel, 13 bellows-folds with corner protectors and clasps, 10 long black and gilt keys with white pearl finger-buttons "ACME PATENT ADJUSTABLE CASE AND BELLOWS FRAME TIGHTENERS" 2 sets of Vienna reeds, 4 basses

No. 9827.....Each $12 25

Size 5½x9¾. Rosewood Finish Case, sunken panel top, nickel mounting about inner edges of frame, extra quality hand-made Keratol covered bellows, metal bellows-protectors and leather clasps, 10 white round keys, 2 basses, 2 sets of reeds

No. 9828.....Each $16.50



No. 9836½

Size 6x10¾ inches.

Ebonized Case and Mouldings "ACME PATENT ADJUSTABLE CASE AND BELLOWS FRAME TIGHTENERS," leatherette covered bellows-frame, 12 folds, metal corner protectors and clasps, 19 long pearl-tipped keys, 4 sets of reeds, 4 basses.

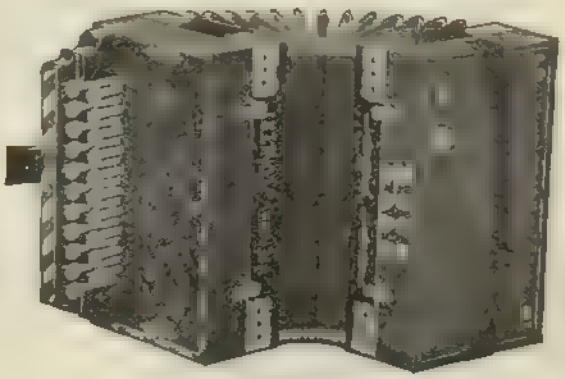
No. 9836½.....Each $14 75

19 long pearl-tipped keys, 4 sets of reeds, 8 basses.

No. 9836¾.....Each $17 75

21 long pearl-tipped keys, 4 sets of genuine steel reeds, 15 folds, 8 basses.

No. 9836¾.....Each $25.75



9837

Size 6x10¾. Rosewood Finish Case with fretwork panels, corded colored wood edges, leatherette covered bellows-frame, 13 folds, metal corner-protectors, leather clasps, 19 long keys, pearl finger-buttons, "ACME PATENT ADJUSTABLE CASE AND BELLOWS-FRAME TIGHTENERS," 8 basses, 4 sets of Bell metal reeds.

No. 9836.....Each $20.50

Same as No. 9836, but 21 keys and 14 folds in bellows.

No. 9837.....Each $21.50

Same as No. 9837, but plain black case and bellows, 16 folds, 12 basses.

No. 9838.....Each $24.75

No. 9855

Size 7x12 inches.

Vienna Model, ebonized case, and fretwork panels, "ACME PATENT ADJUSTABLE CASE AND BELLOWS-FRAME TIGHTENERS," metal corner protectors, leather clasps, and 16 heavy Keratol bellows-folds, 31 long keys with pearl finger-buttons, 6 sets of genuine steel reeds, 16 basses.

No. 9855.....Each $54.00

Our musical pages have been compiled with best of attention and goods illustrated and quoted therein are the very best sellers in these respective articles; therefore, in view of our careful consideration and rock-bottom prices, we most urgently request that you eagerly solicit orders for same

All orders filled same day received. No delay whatsoever.

PIPE WRENCHES

B. & C. COMBINATION PIPE AND NUT

This is a strong and serviceable combination of a nut and pipe wrench, and is equally efficient in either capacity.

Especially useful on general work, as it obviates employing two wrenches.

No. 43 Forged One Piece Solid Steel Head, Bar and Shank, Polished, Short Nut, Hardwood Handle.

Length, Inches	8	10	12	15	18
Takes Pipe, Inches	⅛ to ¾	⅛ to 1	⅛ to 1¼	⅛ to 2¼	⅛ to 3
Weight Per Dozen, Lbs.	15	25	36	52	81
Per Dozen	$21.00	28.00	36.00	37.00	66.00

One-half Dozen in a Box.

GENUINE STILLSON

6 to 14 in., Wood Handle.

18 to 36 in., Solid Steel Handle.

Drop Forged Steel, Blued, Double Spring.

Length Open, Inches	6	8	10	14	18	24	36	48
Takes Pipe, Inches	⅛ to ½	⅛ to ¾	⅛ to 1	⅛ to 1½	⅛ to 2	⅛ to 2½	¼ to 3½	1 to 5
Weight Each, Lbs.	¼	⅓	1½	2½	4½	7½	15	23
Each	$2 00	2 25	2 50	3 50	5 00	7 25	13 50	20 00

6 to 24 in., Six in a Box; 36 and 48 in., One in a Box.

EXTRA PARTS FOR STILLSON WRENCHES

	Jaw.	Frame.		Adjusting Nut.		Wood Handle.		
For French, Inches	6	8	10	14	18	24	36	48
Jaw, Each,	$0 75	80	85	1 15	1.75	2 25	4 35	7 50
Frame, Each,	.38	.42	.50	.60	.75	.95	1.70	3.20
Adjusting Nut, Each,	.12	.15	.20	.30	.35	.55	1.10	1.50
Wood Handle, Each,	.16	.16	.18	.25	.28	....	....	.

GENUINE TRIMO

Nut with Guards Inserted.

Showing Nut Guards Separate

Drop Forged Bar Steel Handle, Frame and Jaws, Polished Head, with Steel Nut Guards Preventing Accidental Rotation of the Adjusting Nut in Close Quarter Work.

The Movable Jaw and Nut are made with round top and bottom threads, guaranteed not to strip or burr.

Length Open, Inches	6	8	10	14	18	24	36	48
Takes Pipe, Inches	⅛ to ⅝	⅛ to ¾	⅛ to 1	⅛ to 1½	⅛ to 2	⅛ to 2½	½ to 3½	1 to 5
Weight Each, Lbs.	¾	¾	1½	3	5	8½	17	24
Each	$2 00	2 25	2 50	3 50	5 00	7 25	13 50	20 00

6 to 24 in., Six in a Box; 36 and 48 in., Two in a Box.

EXTRA PARTS FOR TRIMO WRENCHES

	Inserted Jaw.	Movable Jaw.		Frame.	Nut.			
For Wrench, Inches	6	8	10	14	18	24	36	48
Movable Jaw, Each	$0 75	.80	85	1 15	1 75	2 25	4 35	7 50
Inserted Jaw, Each	35	40	50	60	70	80	1 10	2 00
Frame, Each,	.38	.42	.50	.60	.75	.95	1 70	2 20
Nut, Each,	.12	.15	.20	.30	.35	.55	1.10	1.50
Nut Guards, Each,	.15	.15	.20	.30	.35	.45	.55	.65

PIPE WRENCHES

COCHRAN

Has Rocker Bearing that takes the strain which in ordinary wrenches is Thrust Upon the Helpless Frame Pin.

Perfect Grip and Release. Cannot be Injured by Side Pull, Owing to its Solid Frame Construction.

One Solid Piece Frame and Handle, Drop Forged Tool Steel Jaws, Rocker Bearing.

Length, Inches	6	8	10	14	18	24	36
Takes Pipe up to, Inches	½	¾	1	1½	2	2½	3½
Weight Each, Lbs.	½	¾	1½	3	5	8	16
Each	$2.00	2.25	2.50	3.50	5.00	7.25	13.50

6 to 24 in., Six in a Box; 36 in., Two in a Box

EXTRA PARTS FOR COCHRAN PIPE WRENCHES

For Wrenches, Inches		6	8	10	14	18	24	36
Movable Hook Jaw	Each,	$0.75	80	.85	1.15	1.75	2.25	4 35
Inserted Jaw with Pin	Each,	.35	.40	.50	60	.70	.80	1.10
Rocker	Each,	.25	25	30	40	.50	.75	1 30
Nut	Each,	20	.20	30	.35	.50	.65	1 10
Spring	Each.	.10	.10	10	.10	.10	.15	20

WALWORTH PARMELEE

No. 1 — No. 2. — Nos. 3 and 4.

With Nut Lock, Drop Forged Steel Working Parts, Ratchet Action.

Will make up nipples without damage to threads. No lost motion. Works in closest places. Takes new hold with slightest movement. Makes or breaks tightest joints No teeth it cannot chew. Does not mar brass pipe

Nos.	1	2	3	4
Length, Inches	10	20	25	30
Takes Pipe, Inches	⅜ to 1	1 to 2	2 to 3	3 & 4
Weight Each, Lbs.	5¼	17	19	36
Complete with Girths, Each,	$5 00	7.50	9.50	30.00
Without Girths, Each,	2.25	3.00	5 00	15.00

EXTRA GIRTHS

For Wrenches, Nos.	1	2	2	3	4	4
Size, Inches	⅜, ½, ¾, 1	1, 1¼	1½, 2	2, 2½, 3	3	4
Each	$0.75	1.00	1.25	1.50	3.00	9.00

Open Stock.

JOHNSTON AUTOMATIC

A Strictly High Grade Drop Forged Steel Pipe Wrench.

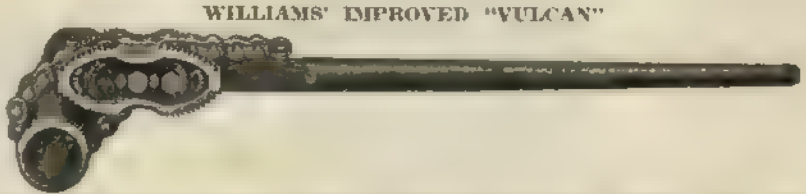
Never Jams. Self-Adjusting. Self-Releasing.

Length Open, Inches	10	16	24
Takes Pipe, Inches	⅛ to 1	⅛ to 1½	½ to 2½
Weight Each, Lbs.	1½	2½	9½
Each	$2 25	3 00	6.00
Extra Swing Jaw, Each.	75	1 00	2.00

Open Stock.

WILLIAMS' IMPROVED "VULCAN"

These Wrenches combine the merits of all other chain pipe wrenches as well as special advantages of their own.



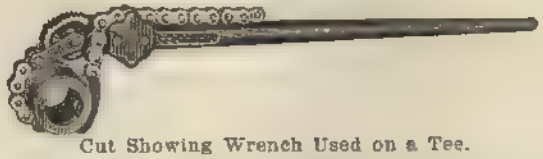
Drop Forged Steel, with Double-Ended Reversible Jaws for Turning or Holding Pipe, Flat Link Chain.

Nos.	30	31	32	33	33½	34	35
Full Length, Inches	13¾	20	27	37	45½	59½	64½
Takes Pipe, Inches	⅛ to ¾	⅛ to 1½	⅛ to 2½	¾ to 4	2 to 6	1½ to 8	2 to 12
Length of Chain, Inches	9½	13½	17½	22½	31	39	54½
Breaking Strain, Chain, Lbs.	3600	6700	9800	12500	14300	17700	21600
Weight Each, Lbs.	2⅜	5¾	10	16	24	41	50
Each	$2 50	3.50	5.00	7 00	9 00	11 00	18 00
Extra Chain, Each.	.75	1.00	1.50	2 50	3 50	4 50	7 50
Extra Jaws, Per Pair.	1.00	1.75	2 75	4.00	4 75	5 50	7 50

Open Stock.

PIPE WRENCHES

WILLIAMS' "AGRIPPA"



Cut Showing Wrench Used on a Tee.

Drop Forged Wrought Steel, Single Jaw Tempered for File Sharpening, Flat Link "Proof-Tested" Steel Chain.

An unsurpassed tool for cramped and irregular fittings which cannot be effectively handled with broader wrenches.

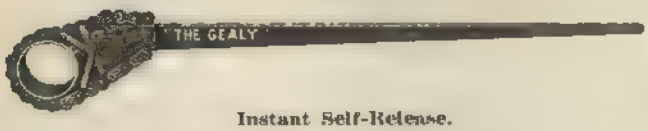
Nos.	20	21	22
Length, Inches	13¾	20	27
Takes Pipe, Inches	⅛ to ¾	⅛ to 1½	¼ to 2½
Length Chain, Inches	10	15	19½
Chain Break'g Strain, Lbs.	3600	6700	9800
Weight Each, Lbs	2½	5¾	9¾
Each	$2.50	3.50	5.00
Extra Chains ..... Each,	1.00	1.25	1.75
Extra Jaws ..... Each,	1.00	1.75	2.75

Nos.	23	23½
Length, Inches	37	44½
Takes Pipe, Inches	¾ to 4	1 to 6
Length Chain, Inches	26	34
Chain Break'g Strain, Lbs.	12500	14300
Weight Each, Lbs.	17	24
Each	$7.00	9 00
Extra Chains ..... Each,	2.75	4 00
Extra Jaws ..... Each,	4.00	4.75

Nos.	24	25
Length, Inches	50½	64½
Takes Pipe, Inches	1½ to 8	2 to 12
Length Chain, Inches	45	61
Chain Break'g Strain, Lbs.	15700	21800
Weight Each, Lbs.	32	56
Each	$11.00	18 00
Extra Chains ..... Each,	5.00	8 00
Extra Jaws ..... Each,	5.50	7.50

Open Stock.

GEALY



Instant Self-Release.

Drop Forged Carbon Steel Handle, Drop Forged High Carbon Steel Jaws, Carefully Tempered Teeth, Cold Rolled Steel Flat Link Chain with Highest Possible Tensile Strength

Nos.	00	0	1	2	3
Length, Inches	18	30	42	60	66
Takes Pipe, Inches.	¾ to 2	1 to 4	2 to 6	2½ to 10	3 to 14
Length Chain, In.	11	19	28	44	56
Weight Each, Lbs.	3½	12	25	50	75
Each	$3.00	4.50	8.00	16 00	30.00
Extra Chain. Each,	.80	1.50	3.00	6.00	12.00
Extra Jaws. Pair,	1.25	2.00	4.00	7.00	10.00
Ex. Jaw Bolts. Ea.,	.20	.22	.25	.30	.30
Ex. Hdl. Bolts. Ea.,	.20	.25	.30	.35	.40

Handle serves as cam lever—jaws as cam thrust. Slot in jaws allows handle bolt to move freely with action of handle as cam lever. Not an ounce of strain on this bolt.

Open Stock.

PIPE TONGS

BROWN ADJUSTABLE

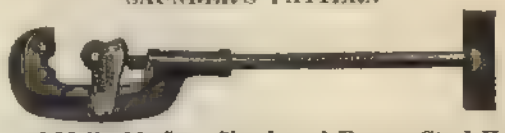
Forged Tool Steel, Oil Finished, the Short Jaw is Faced with Tempered Tool Steel, Adjusted by Set Screw.

Nos.	1½	2	3	4	5
Length, Inches.	16	20	24	36	42
Takes Pipe, In.	⅜ to 1	½ to 1¼	1 to 2	1½ to 3	2½ to 4
Wt. Each, Lbs.	5	7½	12	23	32
Each	$1.50	1.70	2.40	5 40	12.00

Open Stock.

PIPE CUTTERS

SAUNDER'S PATTERN

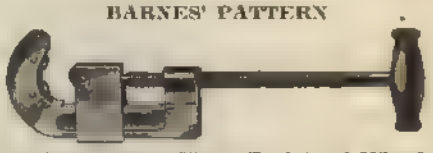


Japanned Malleable Iron Shank and Frame, Steel Handle, One Forged Tool Steel Cutter and Two Rollers.

Nos.	1S	2S	3S	4S
Length, Inches	16	20	26	38
Cuts Pipe, Inches	⅛ to 1	1 to 2	2 to 3	2½ to 4
Weight Each, Lbs.	3½	6½	12½	18
Each	$3.00	4.50	11.00	18.00
Extra Wheels. Each,	.24	.32	.60	.60
Extra Rollers. Each,	.24	.32	.50	.50
Extra Pins. Each.	.10	.10	.15	.15

Open Stock

BARNES' PATTERN

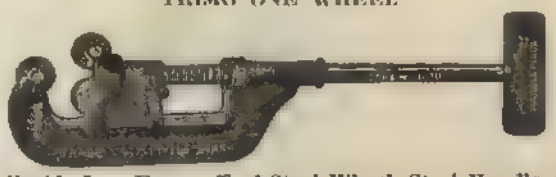


Malleable Iron Frame, Three Tool Steel Wheels, Steel Handle.

Nos.	1B	2B	3B	4B	5B
Length, Inches	13	16	21	25	34
Cuts Pipe, In.	⅛ to 1	⅛ to 2	1½ to 3	2½ to 4	4 to 6
Weight Each, Lbs.	3	5	8	14	20
Each	$4.50	6.00	10.00	20.00	30.00
Extra Wheels, Ea.,	.25	.30	.40	.50	.75
Extra Pins. Doz.,	1.00	1.00	1.00	2.00	2.00

Open Stock.

TRIMO ONE WHEEL



Malleable Iron Frame, Tool Steel Wheel, Steel Handle and Screw.

Nos.	1T	2T	3T
Length, Inches	15¾	17½	19½
Cuts Pipe, Inches	⅛ to 1¼	⅛ to 2	1¼ to 3
Weight Each, Lbs.	5¼	6	8¾
Each	$4.50	6.00	10.00
Extra Cutter Wheels. Each,	.30	.30	.40
Extra Pins with Cotter Pins. Per Dozen	1.00	1.00	1.00

Open Stock.

LINEMEN'S TOOLS

M. KLEIN & SONS

SPLICING CLAMPS

Best Tool Steel, Spring Tempered Handles, Black Finish, Polished Head.

Per Dozen

No. 102-1—7 in. Long, Has 4 Round Holes Accommodating All Sizes of Copper Wire from 10 to 16 B. & S. Gauge and All Sizes of Iron Wire from 12 to 18 B. W. G., Weight Per Dozen 4½ Lbs. **$20.00**

A handy vest pocket size adapted for telephone troublemen.

One in a Carton; Six in a Package.

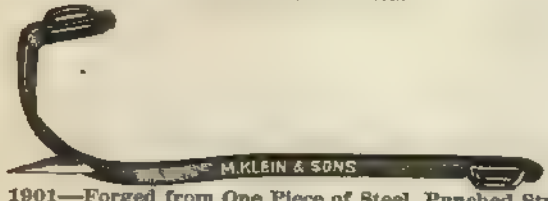
COMBINATION WIRE AND SLEEVE CLAMPS

Best Tool Steel, Spring Tempered Handles, Black Finish, Polished Head. Per Dozen

No. 132-3—10¾ in. Long, Has 5 Round Holes Accommodating all Sizes of Iron Wire Nos. 6 to 14 B. W. G. and all Sizes of Copper Wire Nos. 4 to 12 B. & S. Gauge, Reverse Side has 4 Sets of Chambers Adapted for Twisting Double Tube Copper Sleeve Joints Nos. 8 to 14 B. & S. Gauge and Iron Sleeve Joints Nos. 10 to 16 B. W. G., Weight Per Dozen 15½ Lbs. **$29.00**

One in a Carton; Six in a Package.

EASTERN CLIMBERS



No. 1901—Forged from One Piece of Steel, Punched Strap Loops, without Straps.

Length, Inches	16	16½	17
Per Pair	$2.65	2.65	2.65

Note—When Ordering, Always Give Length of Shank Wanted.

Average Weight Per Pair 3⅝ Pounds.

One Pair in a Carton.

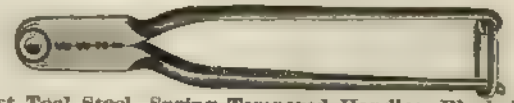
HAVEN'S STEEL GRIPS

Per Dozen

No. 1604-10—For No. 8 Wire and Finer, Forged Crucible Tool Steel, Hand Cut, Hardened and Tempered Eccentric or Dog, Machine Turned Steel Rivets, Weight Per Dozen 12 Lbs. .. **$24.75**

Open Stock.

SPLICING CLAMPS



Best Tool Steel, Spring Tempered Handles, Black Finish, Polished Head.

Per Dozen

No. 105-6—10½ in. Long, Has 4 Sets of Chambers Adapted for Twisting Double Tube Copper Sleeve Joints Nos. 8 to 14 B. & S. Gauge and Iron Sleeve Joints Nos. 10 to 16 B. W. G., Weight Per Dozen 14 Lbs. **$25 50**

For general telephone and telegraph work.

One in a Carton; Six in a Package.

COMBINATION LAG SCREW WRENCH

Forged Selected Bar Steel, Black Finish.

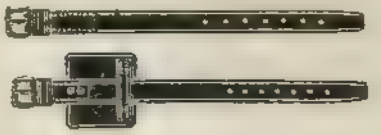
Per Dozen

No. 3109-20—13½ in. Long, Weight Per Dozen 20 Lbs. **$24.00**

The slot is formed in a cross shape and will fit machine bolts, nuts or lag screws from ⅜ to ⅝ in. The small end of the wrench is arranged for ⅜ in. machine bolts or lag screws. The round hole allows the end of a bolt to come through as the nut is run on.

Open Stock.

STRAPS FOR EASTERN CLIMBERS



Per Set

No. 5301-1 Set—Consists of Two Upper Straps with 4x4 in. Plain Leather Pads and Two Lower Straps, Made of Select Oak Tanned Harness Leather, Extra Heavy Roller Buckles, Both Heel and Calf Straps are 22 in. Long Over All and 1¼ in. Wide, Weight Per Dozen Sets 15 Lbs. . **$2.00**

Open Stock.

"CHICAGO" GRIPS FOR INSULATED WIRE

Each

No. 1611-10—For No. 10 Wire and Smaller, Forged Tool Steel. Upper Jaw has a Series of Transverse Shallow Grooves into which on Applying Strain, the Insulation is Tightly Compressed but not Injured, Weight Each 1⅛ Lbs. **$7.00**

Open Stock.

"COME-ALONG" GRIP

Per Dozen

No. 1609-20—For No. 8 Wire and Smaller, Refined Malleable Iron Body, Hardened and Tempered Forged Tool Steel Eccentric, Hand Forged Ring Welded Through Eyes of Clamp, Weight Per Dozen 12 Lbs. **$8.00**

Frequently used for fence work.

Open Stock.

BASEBALL MITTS

CATCHERS' MITTS

Special [illegible] from finest tan calf skin, laced around edge and at thumb connection, strap and buckle fastening and wide padded wrist band. Weight 38 ounces.

No. M700 Each $7.00

Calf [illegible] tan calf [illegible] laced around edge and at thumb connection, strap and buckle fastening and wide padded wrist band. Weight 36 ounces.

No. M500 Each $5.00

Special green calf front and fingers, green goat back, laced around edge and at thumb connection, strap and buckle fastening and wide padded wrist band. Weight 36 ounces.

No. M400 Each $4.00

Drab horse palm and fingers with brown Yucatan back, laced around edge and at thumb connection, strap and buckle fastening and wide padded wrist band. Weight 32 ounces.

No. M350 Each $3.50

Select [illegible] tan calf skin front and fingers in strong brown tan back, laced around edge and at thumb connection, strap and buckle at wrist, and ready shaped raised finger stalls. Weight 35 ounces.

No. M300 Each $3.00

Black cowhide palm and fingers with tan [illegible] back, laced edge and thumb connection, strap and buckle at wrist and raised finger stalls. Weight 31 ounces.

No. MA200 Each $2.00

Oak tan [illegible] and fingers, black [illegible] strap, laced edge and thumb connection, white welt, buckled back. Weight 7 ounces.

No. MB150 Each $1.50

Full size, from strong black tan stock with brown back, laced edge, leg piece from [illegible] laced thumb, buckled back strap. Weight 28 ounces.

No. MB100 Each $1.00

CATCHERS' MITTS

Brown tan leather [illegible] wire tack, laced edge and wrist, laced thumb buckled back strap. Weight 26 ounces.

No. MA75 Each $0.75

Standard medium sized mitt, brown tan leather palm and fingers, strong brown leather back, laced back and laced thumb connection. Weight 24 ounces.

No. MA50 Each .$0.50

BASEMEN'S MITTS

Special green [illegible] front and black pearl [illegible] Weight 16 ounces.

No. BMA150 Each . $1.50

Fine all brown tan with buttoned back. Weight 16 ounces.

No. BM100 Each $1.00

Select [illegible] Laced around edge and a thumb connection, strap and buckle at wrist and wide padded wrist bands. Weight 20 ounces.

No. BMA250 Each $2.50

One in a box

BASEBALL GLOVES

Finest quality of soft white horsehide on Special Large League model with long lacing, full leather lining and extra fine grade padding arranged around edges to form perfect pocket. Non-sag lacing in center of palm. Thumb web and buttoned back. Weight 14 ounces.

No. G350 Each $3.75

Selected pearl tan horsehide on Professional model in large little finger style. Carefully padded so as to furnish the ideal pocket. Lined with white leather and has red welts, thumb web and buttoned back. Weight 14 ounces.

No. G250 Each $2.50

Strong black calfskin on Favorite Victor model. Has leather lining and padding arranged heavy around edges to form a perfect pocket. A soft, easy fitting glove and a challenge value. Welted seams, thumb web and buttoned back. Weight 13 ounces.

No. GB200 Each $2.00

Fine black calfskin on [illegible] leather lining, [illegible] welted seams, thumb web and buttoned back. Weight [illegible] ounces.

No. GB125 Each $1.25

Best oak tan [illegible] leather style [illegible] welted seams, thumb web and buttoned back. Weight 13 ounces.

No. GD150 Each $1.50

A fine selection of special yucatan in the straight thumb style. Comes in extra large size with black welted seams and a leather lining. Well padded. Welted seams, thumb web and buttoned back. Weight [illegible] ounces.

No. GA100 Each $1.00

A selected black tan on popular straight thumb pattern with brown welted seams, leather lining. Carefully padded and has deep pocket. Web thumb construction and buttoned back. Weight [illegible] ounces.

No. GB75 Each $0.75

[illegible] tan [illegible] on the New York style. Has extra [illegible] soft felt padding, thumb web and buttoned back. Weight 10 ounces.

No. GC50 Each $0.50

[illegible] glove in selected brown tan [illegible] leather lined palm, thumb web and [illegible] buttoned back. Weight 2 ounces.

No. G25 Each $0.25

One in a box

BASEBALL MASKS

Best quality heavy steel wire, dead black finish, calf-skin face straps, overhead strap and strong elastic attachments. Weight 38 ounces.

No. CM350 Each $3.50

Best grade drawn steel wire, dead black finish full length, laced on side pads, calf-skin chin and forehead pieces, strong overhead strap. Weight 34 ounces.

No. CM300 Each $3.00

Heavy blacked steel wire, with the new style adjustable laced side pads. Perfect fit assured. Overhead strap and carefully formed chin and forehead rests. Weight 31 ounces

No. CM225 Each $2.25

Regular men's size in black finish wire. Is strong and serviceable. Made with four side pads, chin and forehead rests. Weight 23 ounces

No. CM100 Each $1.00

Very best grade boys' mask in black enamel finish, well stuffed, laced side pads together with forehead and chin supports. Weight 19 ounces.

No. CMA100 Each $1.00

A strong mask for boys, made black enamel finish, with four laced side pads. Weight 17 ounces.

No. CM75 Each $0.75

Popular mask for boys, good weight black wire, made with two full length all-leather side pads. Weight 6 ounces

No. CM25 Each $0.25

CHEST PROTECTORS

Regular Ventilated, made from fine quality rubber, covered with strong white fabric, full size. Weight 50 ounces.

No. CP600 Each $6.00

Special model made from dark rubber with strong brown canvas, regular men's size. Weight 46 ounces.

No. CP500 Each $5.00

Boys' size, made of brown canvas, heavily padded, gives good protection Weight 11 ounces

No. CP100 Each $1.00

*BASEBALL UNIFORMS

ATHLE-TEXTURE

Major League Uniform

No. 40 New silk stripe woven into the flannel, full eight ounce.. . . . suit complete, **$21.30**

National League Uniform

No. 35 Made of the finest all wool Athle-Texture, plain weave, eight ounce league flannel, finest custom made, hand tailored throughout . . . . . .suit complete, **$20.00**

American League Uniform

No. 31 This is of high grade, all wool, plain or broadcloth weave Athle-Texture league flannel, guaranteed full seven ounces to the yard.. . . . . .suit complete **$16.25**

American Association Uniform

No. 30 This uniform is a special quality, durable Athle-Texture flannel, full six ounces to the yard, woven to withstand the hardest usage . . . . . .suit complete, **$14.50**

Western League Uniform

No. 25 Is made of full six ounce Athle-Texture flannel. The material and workmanship is superior in every detail. We recommend this for durability . . . . . .suit complete, **$12.50**

State League Uniform

No. 20 The Athle-Texture flannel in this suit is guaranteed full five ounces to the yard. Recommended for amateur clubs . . . . . suit complete, **$9.50**

University League Uniform

No. 18 The material used in this uniform is of a special grade of extra strong Athle-Texture flannel, full six ounces to the yard. Has no equal for strength. . . . . .suit complete, **$8.75**

Send for Special Color Book of Flannels

TOE PLATES

Best tempered steel, sharpened edge weight 3 ounces.

No. TP25 With rivets, per pair.....$0.25

HEEL PLATES

Best tempered steel, sharpened edge, weight 2 ounces.

No. HP25 With rivets, per pair.....$0.25

*Not carried in stock can be shipped promptly from factory

STEEL GAME TRAPS

NEWHOUSE

Double Spring, with Offset Jaws and Teeth.
For Catching Small Black Bear, Etc.

Per Dozen

No. 150—Spread of Jaws 9½ in., Diameter of Pan 4 in., Length of Trap 27 in.....$.....
Weight Per Dozen 122 Pounds.
Two Dozen in a Barrel.

Double Spring, with Teeth and Chain.
For Catching Black Bear, Brown Bear, Etc.

Per Dozen

No. 5—Spread of Jaws 11¾ in., Diameter of Pan 4 in., Length of Trap 34½ in.....$.....
Weight Per Dozen 228 Pounds
One Dozen in a Barrel.

TRIUMPH

Triumph Traps are superbly designed, carefully made, rigidly tested. Jaws have wide faces. Pan securely riveted to heavy shank. Tested, uniform temper, long life springs, free action swivel.

Single Spring, Stiff Malleable Jaws, with Chain.

Per Dozen

No. 0T—For Rats, Mink, Muskrat, Ermine, Weasel Gopher, Etc. $.....

No. 1T—For Mink, Civet, Muskrat, Rabbit, Skunk, Etc .....

No. 1½T—For Mink, Civet, Muskrat, Opossum, Skunk, Ring Tail Raccoon, Woodchuck, Etc.....

Specifications.

Nos.	0T	1T	1½T
Spread of Jaws, Inches	3½	4	4⅝
Length of Trap, Inches	7⅝	7⅞	9¼
Weight Per Dozen, Lbs.	5	7¼	10¾
Dozen in Barrel	60	40	25

Double Spring, Stiff Malleable Jaws, with Chain.

Per Dozen

No. 2T—For Opossum, Otter, Marten, Fisher, Wolverine, Raccoon, Fox, Badger, Wood Chuck..$.....
No. 3T—For Otter, Beaver, Wildcat, Lynx, Marten, Wolverine, Badger, Coyote, Fox .....
No. 4T—For Wolf, Lynx, Cougar, Coyote, Beaver Wildcat .....

Specifications.

Nos.	2T	3T	4T
Spread of Jaws, Inches	4⅞	5⅝	5⅝
Length of Trap, Inches	14¼	16¾	18¾
Weight Per Dozen, Lbs.	13½	20¾	23½
Dozen in Barrel	15	10	8

HIGH GRIP

High Grip Traps catch more rats and less feet. They grip the leg high above the knuckle joint preventing escape. A new and special trap for muskrat and skunks. Holds fast.

Showing Trap Set.

Trap Closed

High Arched Malleable Jaws, Wide Spread of Jaws, Large Elliptical Pan, with Chain.

Per Dozen

No. 115—Standard, for Muskrat and Skunk, Spread of Jaws 4⅞ in., Size of Pan 1¾x2½ in., Length of Trap 8 in., Weight Per Dozen 8¼ Lbs., 35 Dozen in a Barrel..... $.....
No. 215—For Fox, Raccoon, Opossum, Etc., Spread of Jaws 6⅛ in., Size of Pan 2¼x3 in., Length of Trap 9½ in., Weight Per Dozen 13 Lbs., 20 Dozen in a Barrel.....

TRIPLE CLUTCH, HIGH GRIP

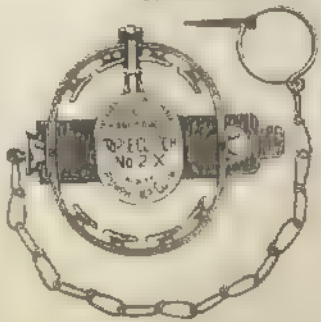
This New Triple Clutch not only takes a double grip but it also takes a sidewise grip high up on the animal's leg. The separate grippers give triple clutch its holding qualities. Pull, gnaw and escape proof.

Stiff Wide Faced Malleable Jaws, with Chain.

Per Dozen

No. 115X—For Muskrat, Skunk, Civet, Mink, Spread of Jaws 4⅞ in., Weight Per Dozen 8½ Lbs. ..... $.....
No. 215X—For Fox, Coon, Opossum, Etc. Spread of Jaws 6⅛ in., Weight Per Dozen 13¾ Lbs.

TRIPLE CLUTCH KANGAROO



A new trap with great gripping and holding power. In the under spring pattern, takes a double and a sidewise grip. Has full width spring. The separate grippers holds the pelts.

Can be set on snow or ice without freezing up Springs are tested 24 hours

Stiff Malleable Jaws, with Chain.

Per Dozen

No. 2X—For Fox, Coon, Possum, Mink, Ringtail and Wildcat, Spread of Jaws 5⅝ in., Weight Per Dozen 12½ Lbs.....$.....

STEEL GAME TRAPS

VICTOR

Well made light construction made with automatic machinery, crucible steel springs, steel wire chains ring and staple, each pan is pierced with a "V" to identify the Victor

Single Spring, with Chain.

	Per Dozen
No. 0 —For Rats, Gophers, Weasels, Etc	$
No. 1 —For Muskrat, Skunk, Opossum, Etc	
No. 1½ For Mink, Skunk, Raccoon, Muskrat, Etc	

Specifications.

Nos.	0	1	1½
Spread of Jaw, Inches	3½	4	4⅝
Length of Trap, Inches	6⅞	8⅛	9⅝
Weight Per Dozen, Lbs.	5	7¼	11½
Dozen in Barrel	55	40	25

Double Spring, with Chain.

	Per Dozen
No. 2—For Fox, Raccoon, Fisher, Etc	$
No. 3—For Coyote, Fisher, Fox, Badger, Etc	
No. 4—For Lynx, Coyote, Badger, Etc	

Specifications.

Nos.	2	3	4
Spread of Jaws, Inches	4⅝	5¼	5⅞
Length of Trap, Inches	14⅝	17	19
Weight Per Dozen, Lbs.	13¾	21½	24¼
Dozen in Barrel	15	10	8

NEWHOUSE

The Newhouse is the original Steel Trap and the highest grade possible to manufacture. All parts are of extra heavy construction. The springs are extra heavy and of special quality steel, flat cut steel chain.

The Newhouse is known to professional trappers all over the world. It is considered to be the most highly developed and finest trapping instrument ever made It has caught every kind of wild animal on earth. It is the greatest aid to trapping skill known.

Single Spring with Chain.

	Per Dozen
No. 0—For Rats, Gophers, Weasels, Martens, Etc.	$
No. 1—For Muskrat, Skunk, Opossum, Rabbit, Mink, Marten, Civet Cat, Etc	
No. 1½—For Mink, Racoon, Fisher, Skunk, Opossum, Etc.	

Specifications.

Nos.	0	1	1½
Spread of Jaws, Inches	3½	4	4⅝
Length of Trap, Inches	6⅞	8⅛	9⅝
Weight Per Dozen, Lbs.	7⅜	9⅞	14⅝

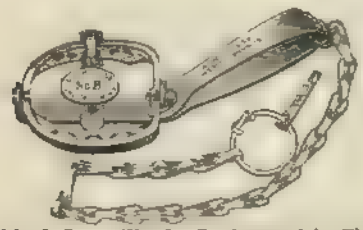
Nos. 0 and 1, Twelve Dozen in a Carton; No. 1½, Twenty-five Dozen in a Barrel.

Double Spring, with Chain.

	Per Dozen
No. 2—For Fox, Racoon, Fisher, Wildcat, Opossum, Etc.	$
No. 3—For Otter, Lynx, Covote, Fisher, Wildcat, Beaver, Badger, Etc.	
No. 4—For Wolf, Otter, Lynx, Couger, Beaver, Wolverine, Etc.	

Specifications.

Nos.	2	3	4
Spread of Jaws, Inches	4⅝	5⅝	6¾
Length of Trap, Inches	14⅝	17	19
Weight Per Dozen, Lbs.	18	28½	38¼
Dozen in Barrel	15	10	7



Webbed Jaw, Single Spring, with Chain.
For Skunk, Mink, Muskrat, Woodchuck, Raccoon.

	Per Dozen
No. 81—Spread of Jaws 4 in., Length of Trap 8⅛ in., Weight Per Dozen 10½ Lbs.	$

One Dozen in a Carton, Twelve Cartons in a Case.

No. 81½—Spread of Jaws 4⅝ In., Length of Trap 9⅝ in., Weight Per Dozen 16¼ Lbs.	$

Twenty-five Dozen in a Barrel.

The webbed jaws prevent the animal from pulling its leg through the trap, even if knawed off.

Double Jaws, Single Spring, with Chain.

	Per Dozen
No. 91 —For Muskrat, Skunk, Mink, Etc.	$
No. 91½—For Fox, Skunk, Mink, Raccoon, Woodchuck, Etc.	

Specifications.

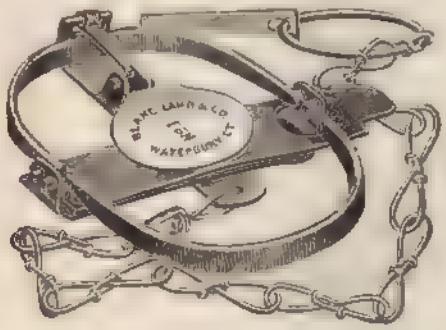
Nos.	91	91½
Spread of Jaws, Inches	5⅛	6¼
Length of Trap, Inches	8⅛	9⅝
Weight Per Dozen, Lbs.	10½	16½
Dozen in Barrel	30	20

The double jaws make an easy and firm grip so high up on a muskrat that it cannot twist off.

STEEL GAME TRAPS

BLAKE'S PATENT

Blake's Patent Traps are made of best crucible steel springs are tempered for water trapping and are all tested before leaving the factory. They lie much flatter when set and occupy less room are more easily secreted from wary animals, and jump on the game when sprung, making them doubly sure.



Single Spring, with Chain.

	Per Dozen
No. 0—For Gopher, Rats and Other Vermin	$
No. 1—For Muskrats, Skunks, Weasels and Hawks	
No. 1½—For Mink, Skunk, Coon, Etc.	

Specifications.

Nos.	0	1	1½
Spread of Jaws, Inches.	3⅝	4⅝	4¾
Weight Per Dozen, Lbs.	5½	7	7½
Dozen in Barrel	30 to 50	30 to 40	25 to 40

ONEIDA JUMP

Preferred by many hunters on account of being lighter than the regular traps. All are provided with single springs and Niagara wire chain

Small, Single Spring.

	Per Dozen
No. 0 —For Rats, Gophers, Weasels, Etc.	$
No. 1 —For Muskrat, Skunk, Opossum, Etc.	
No. 1½—For Mink, Skunk, Raccoon, Muskrat, Etc.	

Specifications.

Nos.	0	1	1½
Spread of Jaws, Inches	4	4¾	5¼
Length of Trap, Inches	5¼	5⅞	6½
Weight Per Dozen, Lbs.	5½	8	9½

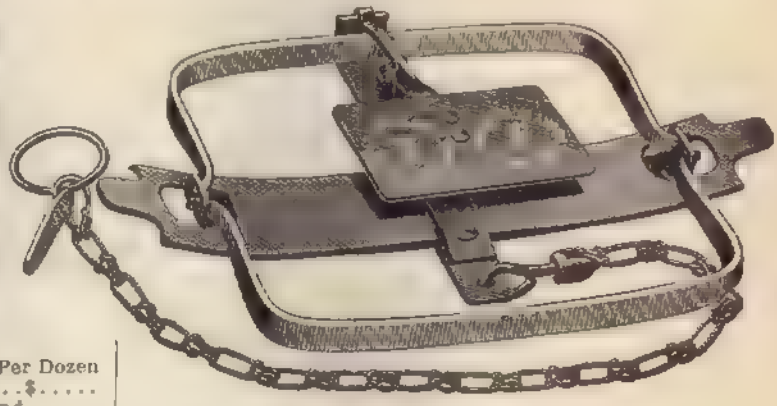
All Above, 1 Dozen in a Carton, 12 Cartons in a Case.

Large, Single Spring.

	Per Dozen
No. 2—For Fox, Raccoon, Fisher, Etc.	$
No. 3—For Coyote, Fisher, Fox, Badger, Etc.	
No. 4—For Lynx, Coyote, Badger, Etc.	

Specifications.

Nos.	2	3	4
Spread of Jaws, Inches	5½	6½	7¼
Length of Trap, Inches	7⅝	9	10
Weight Per Dozen, Lbs.	14½	22	27½
Dozen in a Barrel	20	12	10



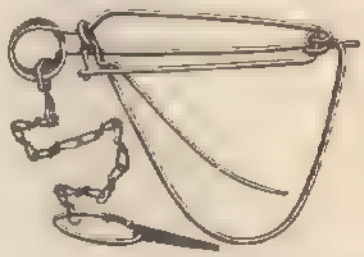
Double Spring, with Chain.

No. 2—For Mink, Skunk, Coon, Etc.	$
No. 3—For Fox, Otter and Other Animals.	
No. 4—Beaver or Farmer's Trap.	

Specifications.

Nos.	2	3	4
Spread of Jaws, Inches.	5¼	6	6½
Weight Per Dozen, Lbs.	12	15	19
Dozen in Barrel	15 to 20	10 to 15	8 to 12

THE STOP THIEF



For small fur bearing animals, no barbs to mutilate the fur Animal is choked to death and cannot spoil its own pelt by trying to gnaw out

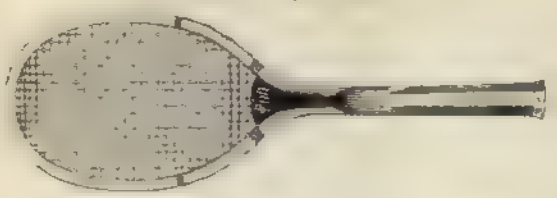
Spring Steel Wire, with Chain.

		Per Dozen
No. 1	For Squirrels and Rats	$
No. 2	For Skunk Mink Martens, Etc	
No. 3	For Skunk Mink Martens, Etc	
No. 3½	For Opossum, Raccoon, Etc.	

Specifications.

Nos.	1	2	3	3½
Length, Inches	8	10	11	14
Width, Inches	5	7	7	10½
No. of Wire	9	7	6	5
Weight Per Dozen, Lbs.	5¼	8¼	10	16½
Dozen in a Barrel	48	24	18	9

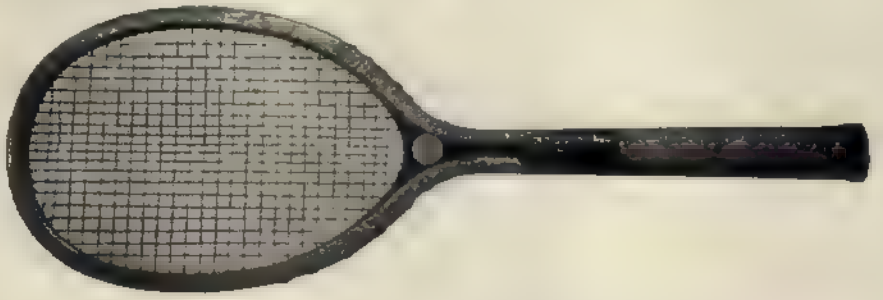
TENNIS RACKETS



Each

Pim—Weights 13 to 14½ Ounces **$8 00**

Frame is made of lively ash and bound near throat to give extra strength. Strung with superior quality gut. Noted for its driving qualities.



Each

Tournament—Weights 13 to 15 Ounces **$5 00**

A racket with large playing surface, reinforced depressed walnut shoulder. Large corrugated handle, strung with best quality gut and extra center strings.

Each

Summit—Weights 13 to 15 Ounces. ..... $ ...

Each

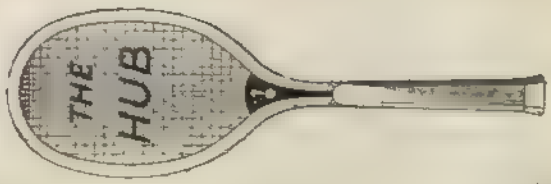
Champion—Weights 12½ to 15 Oz. **$4 50**

Ward & Wright shape, strung with fine quality gut, extra center strings, frame bound at shoulders. A good medium priced racket.

Each

Country Club—Weights 12½ to 15 Oz. **$3.00**

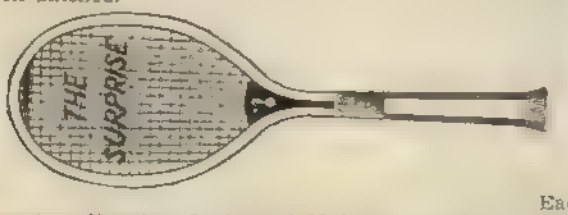
Oval shape, good quality gut, with extra center strings. Well finished.



Each

The Hub—Weights 12 to 14½ Ounces **$2 00**

A popular and new shape. Mahogany throat piece, good quality white gut.



Each

Surprise—Weights, Light and Medium **$1 50**

The latest and most popular shape. Frame is nicely made and the stringing of good quality gut.

Each

Belmont—Juvenile Racket **$1 00**

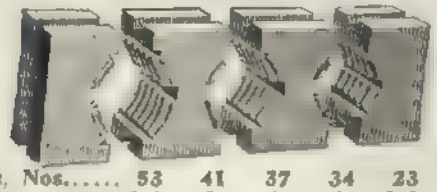
White maple throat, cedar handle. Good quality Oriental gut.

TAPS AND DIES

BLACKSMITHS' TAPER TAPS

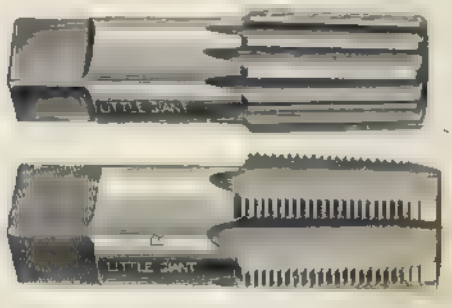
Right Hand Inches	Threads to Inch	Weight, Each Ounces	Each
1	7, 8, 9, 10	12	$1.25
⅞	8, 9, 10	8	.90
¾	8, 9, 10, 12	6	.65
⅝	10, 11, 12, 14	4	.50
⅞	10, 12, 14	3	.50
½	12, 13, 14, 16	2	.40
⅞	12, 14, 16, 18	2	.40
⅜	12, 14, 16, 18	2	.35
⅞	16, 18, 20, 22	1	.30
¼	18, 20, 22, 24, 26	1	.30
⅞	24, 26	1	.30
⅛	30, 32	1	.30

BLACKSMITHS' DIES



For stocks, Nos.....	53	41	37	34	23	21	15
Weight per set, ozs...	1½	3	4	6	9½	10	16¼
Per pair, one size only	.70	.75	.75	.75	.85	.85	1.20
Full set	$1.50	1.50	1.50	2.00	2.00	2.00	3.00

PIPE TAPS AND REAMERS



Size Inches	Threads to Inch Briggs	Whitworth	Length Inches	Weight Each, Pounds	Each
⅛	27	28	2½	⅞	$1.12
¼	18	19	2⅝	¼	1.25
⅜	18	19	2⅞	¼	1.50
½	14	14	3	½	1.87
¾	14	14	3⅛	⅝	2.50
1	11½	11	3¼	1	3.12
1¼	11½	11	4⅛	2¼	3.75
1½	11½	11	4⅛		4.62
2	11½	11	4⅝	4	6.25
2½	8	11			10.50
3	8	11			15.00
3½	8	11			42.00
4	8	11			50.00

BIT BRACE TAPS

Diameter Inches	Threads to Inch U. S. Standard	V Form	Length Inches	Weight per Doz., Ounces	Each
⅛	30	24	3¼	10	$0.50
¼	20	20	3⅜	12	.50
⅛	18	18	3½	13	.55
⅜	16	16	3⅝	16	.60
⅛	14	14	3¾	24	.70
½	13	12	3⅞	30	.80

MACHINISTS' HAND TAPS

Dia. Standard Size	Price Each	Per Set	Total Length Incl.	Number of Threads to Inch: Plug, Standard	Taper, Standard	Bottoming, Standard	Other Threads also Furnished	Weight Each, Ozs.
⅛	$0.35	$1.05	2⅛	32	24	24	30, 32, 36	1
⅛	.35	1.05	2⅛	32	24	24	32	1
⅛	.35	1.05	2⅛	28	24	24	32	1
⅛	.35	1.05	...	28	24	24	32	1
¼	.45	1.35	2⅛	20	20	20	24, 27, 32	1
⅛	.50	1.50	2⅛	18	18	18	20, 24, 27, 32	1
⅜	.55	1.65	2⅛	16	16	16	14, 18, 20, 24, 27	2
⅛	.60	1.80	3⅛	14	14	14	12, 16, 20, 24, 27	2
½	.70	2.10	3⅛	13	12	12	13, 14, 16, 20, 24, 27	3
⅛	.80	2.40	3⅛	12	12	12	14, 27	4
⅝	.90	2.70	3⅛	11	11	11	10, 12, 20, 24, 27	4
⅛	1.05	3.15	4⅛	11	11	11	10, 12	5
¾	1.20	3.60	4¼	10	10	10	12, 20, 27	6
⅛	1.40	4.20	4⅛	10	10	10	12	9
⅞	1.60	4.80	4⅛	9	9	9	10, 12, 27	12
⅛	1.80	5.40	4⅛	9	9	9	12	13
1	2.00	6.00	5⅛	8	8	8	12, 27	14

MACHINE SCREW TAPS

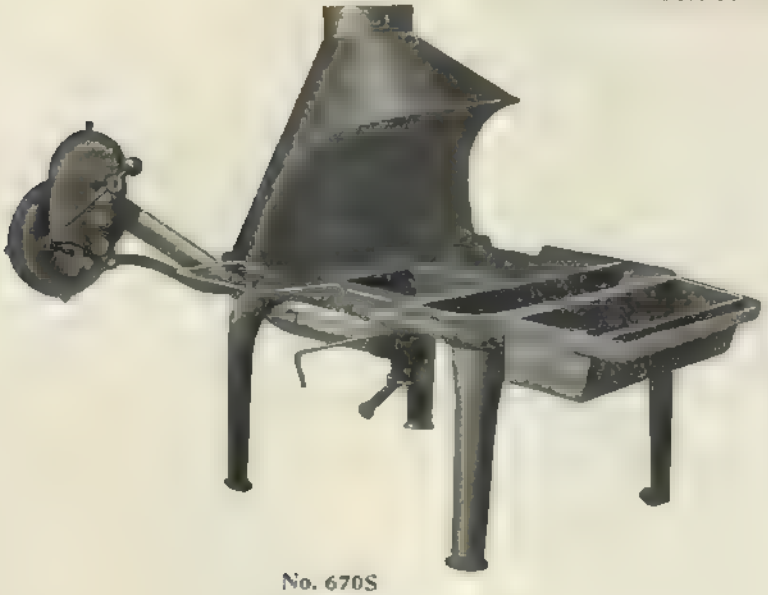
Number Size	A.S.M.E. Standard	Threads also Furnished	Weight per Doz. Ounces	Each
4	48	42, 40, 36, 32	1	$0.35
6	40	48, 38, 36, 32, 30	1¼	.35
8	36	40, 32, 30	2	.35
10	30	36, 32, 28, 24	2¾	.35
12	28	32, 24, 20	3¾	.35
14	24	20, 18	5	.38
16	22	20, 18, 16	5¾	.38
18	20	18, 16	7¾	.38
20	20	18, 16	9	.45
24	16	18, 14	13¼	.45

PATCH BOLT TAPS

Diameter Inches	Length Inches	Threads to Inch	Weight Each, Pounds	Each
½	3	12	⅛	$0.70
⅝	3	12	⅛	.90
¾	3	12	¼	1.20
⅞	3	12	⅜	1.60
1	3	12	½	2.00
1⅛	3	12	⅝	2.25
1¼	3	12	¾	2.60

BUFFALO FORGES

CAST IRON WAGON MAKERS' FORGE



No. 670S

*No. 670S With Steel Hood and Water Tank....$76.00

Deduct $5.00 from list prices if Water Tank is not wanted

Hearth 38x42 inches. Weight 575 pounds.

Designed to meet the requirements for an extra large substantial forge in wagon and blacksmith shops generally where heavy work is handled to a large extent. Has shallow hearth. The coal box is cast into the hearth, and the legs are also of heavy cast iron. This forge is now fitted with the 1911 Model, 14 inch Buffalo 200 Silent Blower. In connection with the extra large "R. R." tuyere iron (size 12x14 inches) it enables the operator to get quick welds on the heaviest work. The legs are short to provide a low hearth for greater convenience in handling heavy work

No. 604

BUFFALO STEEL FORGES

All With Half Hood as Shown

No.	Size of Bar Width Inches	Size of Bar Length Inches	Weight Pounds	Price With Water Tank	Price Without Water Tank
601	24	24	195	$55.00	$50.00
604	30	36	245	70.00	65.00

These forges are built in several sizes, making them suitable for any range of work, light or heavy, from a jeweler's to a blacksmith's. They are used extensively by tool makers, locksmiths, makers, bridge builders, contractors, horseshoers and others who desire a forge combining lightness with the greatest strength. The rolled steel plates are of great toughness and elasticity. The hood is strongly reinforced with angle steel ribs around the edges, and the angle steel legs are cross-braced with bar steel. This makes a rigid, indestructible forge, easy to carry around without danger of breakage. Fitted with the powerful, easy running 14 inch Buffalo "200 Silent Blower" and Heavy Duty "Vulcan" tuyere. Also note hinged and balanced automatic Ash Gate

No. S50

*Not carried in stock can be shipped promptly from factory.

HEAVY BLACKSMITH FORGE

A large, heavy forge, strong and durable, suitable for general blacksmith work. The blower is operated by the easy lever motion, and will give a very powerful blast. The legs are rigidly braced with angle irons. Can be furnished with or without water tank.

Size of hearth 32x45 inches
Weight 300 pounds.

No. S50 With Water Tank . $55.00
Without Water Tank.. . 50.00

BUFFALO FORGES

RIVET FORGE

No. 625

The Standard for Railroads, Ship Builders, Boiler Makers, Machine Shops, Bridge Builders and Structural Iron Workers

No. 625 18 inch Fire Pan, weight 170 pounds . . . $35.00

The fire pan is made of heavy rolled steel plate, strongly riveted. The wind shield and blower are detachable and can be packed in the fire pan for transportation. A heavy round tuyere plate distributes the blast so as to insure the best results in heating. The steel tube legs fit closely into deep sockets cast in one with the tuyere iron and fastened by set screws. A clamp below adds further strength to the support. The Buffalo 200 Silent Blower on this forge has helical high speed gears and 12 inch fan of the most efficient design, with blast delivery along the line of least resistance. Due to the high mechanical efficiency of this type of gears—nearly double that of other types—they last twice as long and run much easier.

AGRICULTURAL FORGES

No. 301L

No. 301L Each $40.00

Equipped with a substantial 10 inch blower, operated by lever. The bearings are ring oiling, insuring easy, smooth operation without any attention but an occasional oiling. The forge is strongly built and fitted with half hood as shown in illustration. Built for use in mills, factories and on farms, and is unexcelled for sharpening tools and doing general repair work

Size of hearth 23 x 35 inches.
Weight 130 pounds.

LEVER FORGES

No. 350

	Each
No. 350 Lever Forge .	$24.00
No. 351 With half hood instead of dash.....	27.00

A substantial forge with spacious hearth and extra powerful blower
Diameter of hearth 22 inches
Diameter of fan 10 inches
Weight 80 pounds

No. 150

	Each
No. 150	$14.00
No. 151 With half hood instead of dash.....	16.00

Diameter of hearth 18 inches.
Diameter of fan 6 inches.
Weight 65 pounds

BUFFALO BLOWERS

BUFFALO No. 200 SILENT BLOWER

No. 200 Model 1911, Silent Blower with 14 inch Blower, on legs or pedestal.....$44 00

Price includes "Vulcan" heavy duty tuyere iron shown below. Deduct $2.00 from list price if tuyere is not wanted.

Weight of blower with legs 100 pounds, with pedestal 130 pounds.

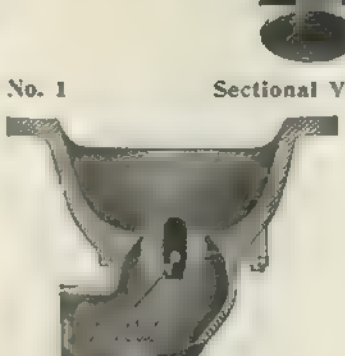
Some Details

Dust and leak proof gear case. All end thrust balanced on adjustable ball bearings. High speed pinion runs in bath of oil, lubricating all other working parts by splashing. One piece gear case insures permanent alignment of gears. Extra long journal bearings. Perfection of parts insures perfection of blower.

BUFFALO "VULCAN" TUYERE

Sectional View No. 1

Sectional View No. 2



Sectional View No. 3

Sectional View No. 1 Blast is forced into fire pot through three tapering, converging channels. The currents collide at high speed, and the blast is scattered all through the coal bed as from an explosion. The result is a large, deep, intense fire, giving the cleanest, strongest welds because of the high blast pressure

Sectional View No. 2 A quarter turn of rod brings the eccentric rod into above position, giving a small fire at either side of the fire pot, suitable for lighter work. Also note the exceptionally wide clearance for ashes and clinkers when valve is in this position.

Sectional View No. 3 Another slight turn of valve practically closes the side blast channels, so that blast is delivered through center of valve only, for a small fire in the middle of fire pot. Note the rising and falling action of the "patented" eccentric valve; a few turns of this valve therefore thoroughly breaks clinkers and clears the fire pot both of ashes and clinker, making cleaning out from the top unnecessary. The balanced and hinged ash gate opens and closes almost of itself, making the dumping of ashes very convenient

Buffalo Vulcan Tuyere Size 12[illegible] x 14 x 4[illegible] inches, weight 56 pounds, each $6 00

THE NEW CLIMAX BLOWER

Made for those who desire a particularly low priced geared hand blower. We can recommend it as the best blower made at the price. It has helical high speed gears and a compact blower-head. The fan pinion runs in a bath of oil and lubricates the other working parts by splashing. The tuyere has a revolving ball valve which affords regulation of the fire and prevents accumulation of clinker

Weight 108 pounds. Tuyere 20 pounds.

Diameter of fan case 12 inches.

List price, with tuyere and pipe, each.....$27.00

Furnished on tripod instead of pedestal at same price.

CEMENT WORKERS' TOOLS

RADIUS EDGERS

Iron, Nickel Plated.

Per Dozen

No. 37—1½ in. Wide, 6 in. Long, ⅜ in. Radius, Outside Cutting Edge has Guide which Runs on the Framework, Weight Per Dozen 11 Lbs. . $7.00

One-quarter Dozen in a Box.

RADIUS EDGERS

Iron, Nickel Plated.

Per Dozen

No. 4—3 in. Wide, 6 in. Long, 1 in. Turned Edge, ¾ in. Radius Both Ends Rounded, Weight Per Dozen 18 Lbs. $8.00

One-sixth Dozen in a Box.

NARROW RADIUS EDGERS

Iron, Nickel Plated.

Per Dozen

No. 38—1¾ in. Wide, 8 in. Long, ⅜ in. Turned Edge, ⅝ in. Radius, Both Ends Rounded Weight Per Dozen 14 Lbs. $8.00

One-sixth Dozen in a Box.

NARROW RADIUS EDGERS

Iron, Nickel Plated.

Per Dozen

No. 39—1¾ in. Wide, 8 in. Long, ⅝ in. Radius, Both Ends Rounded Weight Per Dozen 16 Lbs. $8.00

One-sixth Dozen in a Box.

RADIUS EDGERS

Iron, Nickel Plated.

Per Dozen

No. 64—2½ in. Wide, 8 in. Long, ⅝ in. Radius, Both Ends Straight, Weight Per Dozen 15 Lbs. $9.00

One-sixth Dozen in a Box.

RADIUS EDGERS

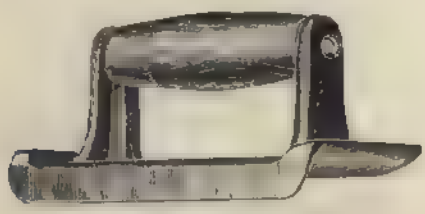
Iron, Nickel Plated.

Per Dozen

No. 68—2½ in. Wide, 8 in. Long, ⅝ in. Radius, Both Ends Straight, Weight Per Dozen 15 Lbs. $9.00

One-sixth Dozen in a Box.

BEVEL EDGERS



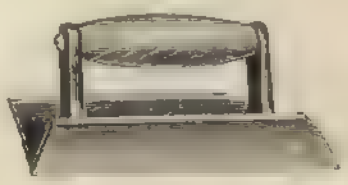
Iron, Nickel Plated.

Per Dozen

No. 40—2¾ in. Wide 6 in. Long, ⅜ in. Bevel Used to Bevel the Edges of Steps, Walks, Etc., Weight Per Dozen 13 Lbs. $7.00

One-sixth Dozen in a Box.

CORNER TOOLS



Iron, Nickel Plated.

Per Dozen

No. 6—1½ in. Sides 6 in. Long Used for Finishing Inside Corners of Steps Etc. Has One End Straight and One End Curving Back for Working Corners Against Framework, Weight Per Dozen 13 Lbs. $7.00

One-sixth Dozen in a Box.

CEMENT WORKERS' TOOLS

GUTTER TOOLS

Iron, Nickel Plated.

Per Dozen

No. 8—3½ in. Wide, 6 in. Long, 1 in. Deep, Weight Per Dozen 21 Lbs. $14.40

Used in making gutters for drainage purposes. The ¼ in. guides on the sides allow the tool to finish the gutter with a uniform depth

One-sixth Dozen in a Box.

CURB TOOLS

Iron, Nickel Plated.

Per Dozen

No. 46—4 in. Wide, 6 in. Long, Weight Per Dozen 25 Lbs. $18 00

Provided with guides which run on the framework. It finishes the inside edge with ⅜ in. radius and outside with 1½ in. radius which makes a neat looking curb

One-sixth Dozen in a Box.

CORRUGATING TOOLS

Iron, Nickel Plated.

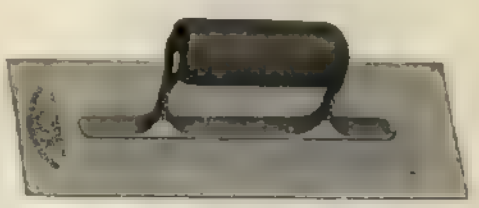
Per Dozen

No. 44—4½ in. Wide, 6 in. Long, Makes Grooves ⅛ in. Deep, ⅜ in. Apart, Weight Per Dozen 20 Lbs. $14.00

A tool for the purpose of making a rough surface to prevent slipping. Used on sidewalks, driveways and stable floors.

One-sixth Dozen in a Box.

CEMENTERS TROWELS



No. 20—Extra Heavy High Grade Crucible Steel Blade, Tempered and Accurately Ground.

Length of Blade, Inches.	11	11½	12
Width of Blade, Inches.	4⅝	4¾	5
Per Dozen	$17 00	18 25	19 75

The mounting is securely fastened, is ⅞ in. wide and extends to within 2 in. of the ends.

One-half Dozen in a Box.

RADIUS TOOLS

Iron Nickel Plated.

Per Dozen

No. 23—⅜ in. Radius, Weight Per Dozen 6 Lbs $6 00

This Tool is used in laying out and finishing curves and circles. Its shape permits the finishing of either the inside or the outside of any circular work

One sixth Dozen in a Box.

RAISED (TUCK) POINTERS

Iron, Nickel Plated.

Per Dozen

No. 12—9½ in. Long, 5 in. Long Blade, Polished Wood Handle Six Sizes, ⅛, ¼, ⅜, ½, ⅝ and ¾ in., Weight Per Dozen 4 Lbs. $6.00

Perfectly shaped and finished, used by all masons to make raised beading or points between cement blocks, stone, brick, etc. So constructed that the bead will not cling to the tool.

One Dozen in a Box.

CONVEX POINTERS

Iron, Nickel Plated.

Per Dozen

No. 61—9½ in. Long, 5 in. Long Blade, Wood Handle, Six Sizes, ⅛, ¼, ⅜, ½ and ⅝ in., Weight Per Dozen 4 Lbs $6.00

Used for pointing off brick or stone walls, etc

One Dozen in a Box

CEMENT WORKERS' TOOLS

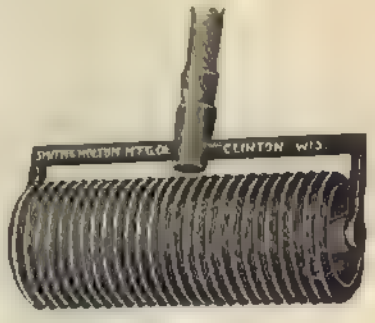
LINE ROLLERS

Iron, Nickel Plated

Each

No. 20—Cylinder 10 in. Long, 4 in. in Diameter, 6 Grooves to the Inch, Detachable Hardwood Handle, Weight Each 11 Lbs.....$4.00

For finishing walks or any sloping places, leaving the surface with the appearance of bush hammered stone



Iron, Nickel Plated.

Each

No. 30—Cylinder 10 in. Long, 4 in. in Diameter, Distance Between Grooves ⅜ in., Detachable Hardwood Handle, Weight Each 10 Lbs.....$4 00

For finishing walks, or any sloping places, leaving the surface with the appearance of bush hammered stone.

INDENTATION OR DOT ROLLERS

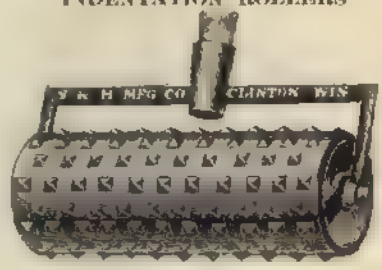
Iron, Nickel Plated.

Each

No 70 Cylinder 8 in. Long, 3 in. in Diameter Distance Between Impressions ½ in., Detachable Hardwood Handle 14⅛x1⅝ in., Weight Each 5½ Lbs.....$7.00

Used on driveways, walks or sloping surfaces. The impressions are close together and leave no flat places on the surface. The dots cut diagonally, preventing the tearing up of material when used on soft cement

INDENTATION ROLLERS



Iron, Nickel Plated.

Each

No. 15—Cylinder 10 in. Long, 4 in. in Diameter, Distance Between Impressions ⅝ in., Detachable Hardwood Handle 14⅛x1⅝ in., Weight Each 9 Lbs.....$4 00

Used for imprinting surfaces of walks, etc., making a square impression ⅝ in. apart, giving the walk a neat appearance and preventing it from becoming slippery in wet weather.

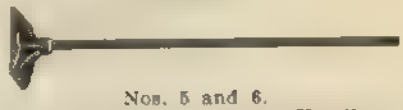
RIBBON ROLLERS

Iron, Nickel Pulted.

Each

No. 66—Cylinder 9 in. Long, 3½ in. Diameter, with 5¼ in. Iron Handle, Weight Each 7¼ Lbs. $6.00

TAMPERS



Nos. 5 and 6.

Cast Iron Base, Gas Pipe Handle.

Per Dozen

No. 5—6x6 in. Square Face, Weight Each 16 Lbs$ 9.40
No. 6—8x8 in. Square Face, Weight Each 21 Lbs 11.25

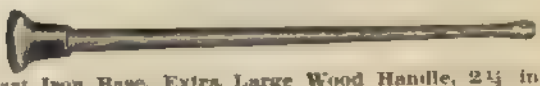
Open Stock.

Cast Iron Base, Extra Large Wood Handle, 2¼ in. Diameter.

Per Dozen

No. 6W—8x8 in. Square Face, Weight Each 17 Lbs. $8 25

Open Stock.



Cast Iron Base, Extra Large Wood Handle, 2¼ in. Diameter.

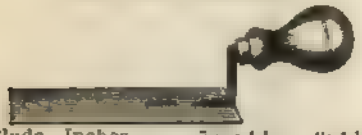
Per Dozen

No. 3W -6 in. Diameter Round Face, Weight Each 20 Lbs $9.00

Open Stock.

MOULDERS' TOOLS

SQUARE TROWELS



Blade, Inches	5 x 1½	6 x 1½
Per Dozen	$9 00	9 60

HEART AND SQUARE SPOON.

Width, Inches	1½
Per Dozen	$8.40

TAPER AND OVAL SPOON

Width, In.	¾	1	1¼	1½
Dozen	$5 40	6 00	7 20	8 40

DOUBLE SQUARE

Width, Inches	½	⅝
Per Dozen	$6.00	6.60

STOVE No. 2

Width, Inches	⅝	¾
Per Dozen	$4.80	5.40

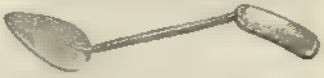
OVAL STOVE

Width, Inches	⅝
Per Dozen	$4 80

HEART AND SQUARE

Width, Inches	1½
Per Dozen	$8.40

TAPER AND SQUARE SPOON



Width, Inches	1½
Per Dozen	$8 40

SLICK AND OVAL SPOON

Width, In.	¾	1	1¼	1½
Dozen	$5 40	6 00	7 20	8 40

FLUTE SLICK

Width, Inches	⅝
Per Dozen	$7.20

STOVE No. 3

Width, Inches	⅝	¾
Per Dozen	$4.80	5.40

LEAF STOVE

Width, Inches	¾
Per Dozen	$5.40

HEART AND LEAF

Width, Inches	1¼	1½
Per Dozen	$7 20	8 40

TAPER AND LEAF

Width, Inches	1½
Per Dozen	$8 40

SLICK AND SQUARE SPOON

Width, Inches	1½
Per Dozen	$7 20

HEEL SLICK

Width, Inches	1
Per Dozen	$7.80

BEAD SLICK

Width, Inches	⅜
Per Dozen	$6.00

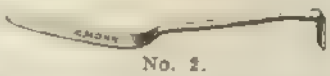
HEART STOVE

Width, Inches	⅜	¾
Per Dozen	$4 80	5.40

YANKEE SLICKS

No. 1

Width, Inches	⅜	½	⅝	¾	1
Per Dozen	$5 40	6 00	6 60	7 20	8 40



No. 2.

Width, Inches	⅝	½	⅝	¾	1
Per Dozen	$5 40	6.00	6.60	7 20	8.40

Yankee Slicks are furnished with heels down to the right or left as ordered. When not specified will send with heels down.

BENCH LIFTERS

No. 1

Width, In.	¼	⅜	½	⅝
Dozen	$4 20	5 40	6 00	6 60

No. 2

Width, In	¼	⅜	½	⅝
Dozen	$4 25	5 40	6 00	6 60

HALF ROUND CORNER SLICK

Width, In.	1¼	1½
Per Doz.	$6 60	7.20

FLAT FLANGE

Width, Inches	½	¾
Per Dozen	$10 80	13 20

FLANGE AND BEAD

Width, Inches	½	¾
Per Dozen	$9.60	12 00

LIFTER

Size, Inches	⅛ x 14	¼ x 14	⅜ x 16	½ x 16	⅝ x 18	¾ x 18	1 x 20
Per Dozen	$6 00	6 60	7 80	8 40	9 60	10 20	12 00

FLUTED HUB LIFTER

Size, Inches	¾ x 12
Per Dozen	$9 60

PIPE SLICK

Pipe Slick — Per Dozen $6.00

SPURS.

No. 11—Malleable, XC plate, w't per doz. prs. 2 lbs. . . per dozen pairs JIE $1 70

No. 14—Malleable, XC plate, w't per doz. prs. 2½ lbs. . . . . per dozen pairs AJE $1 90

No. 12—Malleable, blued, w't per doz. prs. 2½ lbs. . . . . per dozen pairs AJJ $1 80

No. 13—Heavy steel, XC plate, w't per doz. prs. 2 lbs. . . per dozen pairs ACJ $2 40

No. 13—Heavy steel, XC plate, w't per doz. prs. 2 lbs . . per dozen pairs ACJ $2.40

No. 40—Steel, nickel plated, w't per doz. prs. 2 lbs. . . . . per dozen pairs BAE $3.00

HALF DOZEN PAIRS IN A BOX

No. 43—Steel, nickel plated, w't per doz. prs. 3½ lbs . . . per dozen pairs AHE $3 40

"Two-Bits."

No. 8—Brass, w't per doz. prs. 3 lbs., per dozen pairs. . . . . BJE $3 70

No. 9—Brass, w't per doz. prs. 3½ lbs., per dozen pairs. . . . . BCE $4.30

No. 10—Brass, w't per doz. prs. 4 lbs., per dozen pairs. . . . . BFE $4 80

No. 17—Brass, w't per doz. prs. 5 lbs., per dozen pairs. . . . . CGJ $6 70

No. 663—Crupo, plain, steel, nickel plated, w't per doz. 6 lbs., per dozen pairs. . BVE $4 80

HALF DOZEN PAIRS IN A BOX.

No. 3—Eureka, scalloped, steel, nickel plated, w't per doz. prs. 6½ lbs., per dozen pairs. . . . . BIJ $5.30

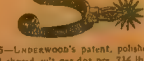
No. 585—O. K., malleable, blued, w't per doz. prs. 8½ lbs., per dozen pairs DBE $ 7.70

No. 686—O. K., malleable, nickel plated, w't per doz. prs. 8½ lbs., per dozen pairs. . . . . JFJ 12.00

No. 1176½—Blued, w't per doz. prs. 7 lbs . . . . . per dozen pairs DFJ $8.40

No. 1176—Blued, w't per doz. prs. 6½ lbs., per dozen pairs . . . . . DFJ $8.40

No. 4—Don Pedro, nickel chased, 2½ in. rowel, w't per doz. prs. 19 lbs., per dozen pairs . . . . . AOFJ $32.00



No. 95—Underwood's patent, polished and chased, w't per doz prs. 7½ lbs., per dozen pairs . . . . . JIEE $17 40

HALF DOZEN PAIRS IN BOX

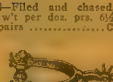
SPURS AND ORNAMENTS.

CALIFORNIA, MEXICAN AND TEXAS.

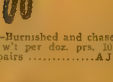
No. 1254—Filed and chased, 1½ in. rowel, w't per doz. prs. 5 lbs., per dozen pairs ..... **CJJ** $4.80

No. 1245—Filed and chased, 2 in. rowel, w't per doz. prs. 5 lbs., per dozen pairs ..... **CBE** $5.40

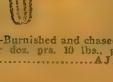
No. 1253—Filed and chased, 1½ in. rowel, w't per doz. prs. 6½ lbs., per dozen pairs ..... **CBE** $5.40



No. 1269—Burnished and chased, 1¼ in. rowel, w't per doz. prs. 10 lbs., per dozen pairs ..... **AJAJ** $16.80



No. 1270—Burnished and chased, 1⅛ in., w't per doz. prs. 10 lbs., per dozen pairs ..... **AJAJ** $16.80



No. 1274½—Filed and chased, straight shank, 1¼ in. rowel, w't per doz. prs. 8½ lbs., per dozen pairs **AJJE** $14.20

ONE HALF DOZEN PAIRS IN A BOX.

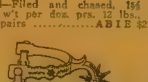
CALIFORNIA, MEXICAN AND TEXAS.

No. 1273 ½—Plain burnished, 1⅞ in. rowel, w't per doz. prs. 11 lbs., per dozen pairs ..... **AJAJ** $16.80

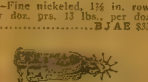
No. 1272—Plain burnished, 1⅞ in. rowel, w't per doz. prs. 10 lbs., per dozen pairs..... **AJAJ** $16.80

No. 1271—Burnished and engraved, 1⅝ in. rowel, w't per doz. prs. 10 lbs., per dozen pairs..... **AJAJ** $16.80

No. 1274—Filed and chased, 1¼ in. rowel, w't per doz. prs. 12 lbs., per dozen pairs ..... **ABIE** $21.60



No. 1900—Fine nickeled, 1⅞ in. rowel, w't per doz. prs. 13 lbs., per dozen pairs ..... **BJAE** $33.60



No. 330—Ranger, nickel plated, 2 in. w't per doz. prs. 8¾ lbs., per dozen pairs ..... **DEJ** $7.20

No. 332—Ranger, nickel plated, 2 in. rowel, w't per doz. prs. 8¾ lbs., per dozen pairs ..... **JFJJ** $10.00

ONE-HALF DOZEN PAIRS IN A BOX.

ORNAMENTS.

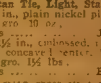
No. 4. No. 1273.

Mexican Tie, Light, Stamped.

No. 4—1¼ in., plain nickel plated steel, w't per gro 10 oz., per gross ..... **JIJ** $1.50

No. 1373—1½ in., embossed, nickel plated steel, concave center, ⅜ in star, w't per gro. 1½ lbs., per gross ..... **BGJ** $4.50

ONE-HALF GROSS IN A BOX.



No. 1475—1¼ in., plain nickel plated steel, ⅜ in star, w't per gro 8½ lbs., per gross ..... **CJJ** $5.99

ONE GROSS IN A BOX.

COMBINATION HIP STRAP ORNAMENTS AND TRACE CARRIERS.

XC Plate.

Nos.	1510	1512
Size, in.	1¼	1½
W't per doz., lbs.	2½	2½
Per dozen	$2.00	2.20
	ABJ	**ACJ**

Solid Brass.

Nos.	1518	1520
Size, in.	1	1½
W't per doz., lbs.	2½	3
Per dozen	$3.00	3.60
	AHJ	**BAE**

ONE DOZEN IN A BOX.

BLOCK LETTERS.

Solid Brass

Nos.	708H	712H
Size, in.	1	1½
W't per doz., lbs.	4	8
Per dozen	$1.00	1.20
	JFJ	**JGJ**

Nickel.

Nos.	738H	742H
Size, in.	1	1½
W't per doz., lbs.	4	8
Per dozen	$1.00	1.20
	JFJ	**JGJ**

BRIDLE BITS.

PORT.

Nos. 642 and 643. Nos. 682 to 2782.

No. 642—XC malleable, w't per doz. 7 lbs. .....per dozen **ADE** $2.60
No. 643—Nickel malleable, w't per doz. 7 lbs. .....per dozen **CCJ** $6.00
No. 682—Nickel malleable, w't per doz. 6 lbs. .....per dozen **CIE** $5.
No. 782—Nickel wrought, w't per doz. 6 lbs. .....per dozen **AAIJ** $20.00
No. 2782—Nickel forged steel, w't per doz. 6 lbs. ....per dozen **AFGJ** $32.00

No. 3163 [illegible]—McKinley, nickel plated steel, 2" rings, with chin loops, extra quality, w't per doz. 11 lbs., per dozen .....**JEGE** $10 5.

MILITARY.

No. 631—Blued malleable, w't per doz. 9½ lbs. .....per dozen **EFE** $4.80

No. 969—Fine blued wrought, w't per doz. 11 lbs. ...per dozen **AGFJ** $32.00

COW BOY.

No. 1190—Blued malleable, w't per doz. 10 lbs. .....per dozen **AAJ** $2.00

COW BOY.

No. 1315—Plain polished malleable, high port, w't per doz. 9 lbs., per dozen .....**AHD** $3.20
No. 2315—Plain burnished hand forged steel, high port, w't per doz. 9 lbs., per dozen .....**ABFE** $22.00

No. 1120—Blued, low port with roller, w't per doz. 9½ lbs. .....**AHE** $3.10

No. 1106—Cross, malleable blued, with high port roller, w't per doz. 11 lbs., per dozen .....**BFE** $4.80

No. 957—Burnished hand forged steel, w't per doz. 10 lbs., per dozen .....**ACHJ** $23.00

No. 1108—Blued, high port, w't per doz. 9 lbs. .....per dozen **AAJ** $2.00
ONE HALF DOZEN IN A BOX

COW BOY BITS.

No. 1134—Burnished and chased cheeks with roller, w't per doz. 11 lbs. .....per dozen **JHHJ** $16.00

No. 1126—Plain polished cheeks, high port and roller, w't per doz. 9 lbs. .....per dozen **EBJ** $9.40
No. 1128—Plain nickel cheeks, high port and roller, w't per doz. 10 lbs. .....per dozen **JHEJ** $15.50

No. 1124—Filed plain cheeks, with roller, w't per doz. 11 lbs., per dozen .....**BCJ** $4.20

No. 998—Fine, filed, plain cheek, port with roller, w't per doz. 11½ lbs., per dozen .....**ACBJ** $24.00

No. 1150—Malleable, blued, with port, w't per doz. 14 lbs., per dozen .....**CEJ** $6.70
ONE HALF DOZEN IN A BOX

HARNESS TRIMMINGS.

ROSETTES.

Nos. 14 and 16. Nos. 46 and 48. Nos. 58 to 72.

XC Plate, Shell.

Nos.	14	16
Size, in.	1½	1¾
Wt per gro., lbs.	2	4
Per gross	1.0	1.6
	JGJ	JIJ

ONE-HALF GROSS IN A BOX.

Brass, Riveted Loop.

Nos.	46	58
Size, in.	1¼	2
Wt per gro., lbs.	6	8
Per gross	$2.88	6.40
	AFJ	CEJ

Malleable Back.

No. 72—2½ in. brase, w't per gro. 12 lbs., per gross ..... JEIJ $10.70

ONE-HALF GROSS IN A BOX.

Showing Construction.

Nos. 1200 and 01200.

Solid Back, Riveted Back.

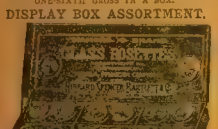
No. 1200—2 in., brass, w't per gro. ..... per gross CGJ $6.70

No. 01200—2 in., nickel, w't per gro. 2½ lbs. ..... per gross CGJ $6.70

Heavy metal shell reinforced with metal filler as shown by sectional view, particularly adapted for heavy team or express use

ONE-SIXTH GROSS IN A BOX.

DISPLAY BOX ASSORTMENT.



Glass, Standard Quality.

No. 1—Assortment, flat crystal glass, metal mountings, animal heads, flower and other fancy designs, w't per asst. 2 lbs. ..... per box AAJ $2.00

ONE-SIXTH GROSS IN A BOX.

Glass, Extra Fine Quality.

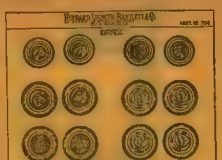
No. 01—Assortment, oval crystal glass, metal mountings, animal heads, flowers and other fancy designs, w't per asst. 2½ lbs. ..... per box BBJ $4.00

ONE-SIXTH GROSS IN A BOX.

WE DO NOT REBAR BOXES

ROSETTES.

REVONOC CARD ASSORTMENTS.



No. 706 REVONOC—Novelty assortment, oval glass center, fancy patterns, 2 prs. 1½ in. and 4 prs. 1¾ in., in red and blue background, heavy solid brass rims, with steel disc filled backs .....per card JEE $1.00

SIX CARDS IN A BOX.

No. 703 REVONOC—Novelty assortment, oval glass center, fancy patterns, 2 prs. 1¼ in., 2 prs. 2 in. and 2 prs. 2½ in., blue, red and black background, heavy solid brass rims with steel disc filled backs, per card .....JFE $1.20

SIX CARDS IN A BOX.

REVONOC CARD ASSORTMENTS.

No. 20 REVONOC—Novelty assortment, 1 pr. each 2¼ in., plain brass ball center, brass spot center with black background and fancy scalloped red center, all with solid brass rim and steel disc filled backs, ...JHE $1.50

SIX CARDS IN A BOX.

ROSETTES.

No. 25 REVONOC—Novelty assortment, oval glass fancy patterns, 2 prs. 2 in. red background, 2 prs. 1¾ in. green background and 2 prs. 2¼ in. red background, all made from elegant imported transfers with solid brass rim and steel disc filled backs, per card .....AAJ $2.00

Possess among their many elements of merit, beauty of design, strength and superior finish.

SIX CARDS IN A BOX.

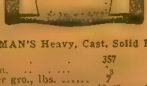
BUCKLE SHIELDS.

ROYAL Flexible, Solid Brass.

Nos.	657	658
Size, in.	⅞	1
Wt per gro., lbs.	5½	5¾
Per gross	$8.50	9.50
	DEE	EBE
Nos.	661	662
Size, in.	1	1¼
Wt per gro., lbs.	6	7½
Per gross	$11.50	13.50
	JFCE	JGDE

This shield having a hinged loop admits of its being easily adjusted to any thickness of strap.

ONE-HALF GROSS IN A BOX.



MOSSMAN'S Heavy, Cast, Solid Brass.

Nos.	357	358
Size, in.	⅞	1
Wt per gro., lbs.	7	9
Per gross	$8.40	10.80
	DFJ	JEIE
Nos.	361	362
Size, in.	1⅛	1¼
Wt per gro., lbs.	11	14
Per gross	$12.60	15.00
	JFIE	JHBE

NO. 362, ONE QUARTER GROSS; BALANCE, ONE-HALF GROSS IN A BOX.

LANTERNS

VICTOR, HOT BLAST

Per Dozen

Victor—13¼ in. High, Square Tubular, Bright Tin, Positive Locking Globe Lift, with Guard, Dome Shaped Solderless Oil Fount, with Large Oil Filler, No. 1 Wing-Lock Cone Burner, ⅝ in. Wick, White Fitsall Globe, Security Standing Bail Hooked into Patent Brass Evelets . . . . . $.

Gives a light of 4 candle power. Fount holds sufficient oil to burn 19 hours.

Weight Per Dozen 36 Pounds.
One Dozen in a Box.

JUNIOR, COLD BLAST

Per Dozen

Junior—12 in. High, Round Tubular, Bright Tin, Positive Locking Inside Globe Lift with Guard, Dome Shaped Solderless Oil Fount with Brass Oil Filler, No. 1 Tinned Steel Wing-Lock Cone Burner, ⅝ in. Wick, White Junior Globe, Security Standing Bail Hooked into Patent Brass Evelets . . . . . $. . . .

Gives a light of 6 candle power. Fount holds sufficient oil to burn 13 hours.

Weight Per Dozen 30 Pounds.
One Dozen in a Box.

BLIZZARD COLD BLAST

Per Dozen

No. 2—14¾ in. High, Round Tubular, Bright Tin, Inside Globe Lift with Guard, Reinforced Tubes, Dome Shaped Solderless Oil Fount, with Large Oil Filler, No. 2 Tinned Steel "Blizzard" Wing-Lock Rising Cone Burner, 1 in Wick, Full Weight Selected Blizzard "Loc-Nob" Globe, Security Standing Bail Hooked into Patent Brass Eyelets, Weight Per Dozen 52 Lbs. . . . . $. .

No. 2B—With Brass Fount, and Top, Otherwise Same as No. 2 . . . . . .

Gives a light of 10 candle power. Fount holds sufficient oil to burn 20 hours.

Per Dozen

No. 2 Special—15 in. High, Extra Large Fount Holds Sufficient Oil to Burn 40 Hours, Otherwise Same as No. 2, Weight Per Dozen 60 Lbs. . . . . $. . . .

One-half Dozen in a Box.

LITTLE WIZARD, COLD BLAST

Per Dozen

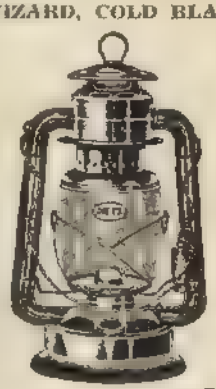
Little Wizard—11½ in. High, Round Tubular, Bright Tin, Reinforced Side Tubes, Inside Globe Lift, Double Seamed Dome Shaped Solderless Oil Fount, with Extra Large Filler Cap, No. 1 Wing-Lock Rising Cone Burner, ⅝ in. Wick, Little Wizard 3⅛ in. High "Loc-Nob" Globe, Security Standing Bail Hooked Into Patent Brass Eyelets. . . . $. . .

The smallest short Globe Lantern made. Gives a light of 6 candle power. Fount holds sufficient oil to burn 18 hours.

Weight Per Dozen 30 Pounds.

One Dozen in a Box.

WIZARD, COLD BLAST



Per Dozen

No. 2W—13¼ in. High, Round Tubular, Bright Tin, Reinforced Side Tubes, Inside Globe Lift, Double Seamed Dome Shaped Solderless Oil Fount with Extra Large Filler Cap. No. 2 Tinned Steel Wing-Lock Rising Cone Burner, 1 in. Wick, D-Lite Short Bowl Globe, Security Standing Bail Hooked into Patent Brass Eyelets. . . . . $. . . .

No. 2WB—With Brass Fount and Dome, Otherwise Same as No. 2W. . . . . $. . . .

Gives a light of 10 candle power. Fount holds sufficient oil to burn 20 hours; will not smoke or blow out.

Weight Per Dozen 52 Pounds.
One-half Dozen in a Box.

Blizzard and Wizard Cold Blast Lanterns are equipped with new coneless burners. The cone being an integral part of the globe plate, attention is called to the facility with which the wick may be cleaned trimmed and lighted

LANTERNS

D-LITE, COLD BLAST

Per Dozen

D-Lite—13¼ in. High, Round Tubular, Bright Tin, Reinforced Side Tubes, Positive Locking Top Lift, Double Seamed Dome Shaped Solderless Oil Fount, with Extra Large Filler Cap, No. 2 Tanned Steel "D-Lite" Rising Cone Burner, 1 in. Wick, D-Lite Short Bowl "Loc-Nob" Globe, Security Standing Bail Hooked into Brass Eyelets .....$ . .

D-Lite-B—With Brass Fount and Dome, Otherwise Same as Above . . . . . .

Gives a light of 10 candle power. Fount will hold sufficient oil to burn 20 hours. Burns perfectly under all weather conditions, will not smoke or blow out

Weight Per Dozen 48 Pounds.

One-half Dozen in a Box.

JUNIOR, COLD BLAST, WAGON

Junior Side—12 in. High, Round Tubular, Black Enameled, Corrugated Tin Reflector, with 2¼ in. Ruby Rear Lens, 3¼ in. Magnifying Bull's-Eye Lens, Secured to Plate, Inside Globe Lift, Double Seamed Solderless Dome Shaped Oil Fount, with Safety Oil Well and Large Oil Filler, No. 1 Junior Wing-Lock Cone Burner, ⅝ in. Wick, Junior Cold Blast Globe, Security Standing Bail, Hooked into Patented Brass Eyelets, Complete with Flat Bracket..$. . .

Adapted for use on the left or right hand side of the vehicle. Reflects a light of 10 candle power. Fount holds sufficient oil to burn 13 hours

Weight Per Dozen 54 Pounds.

One in a Box.

Note—In ordering, state if lamp with right or left hand bracket is wanted.

DIETZ "EUREKA", DRIVING

The Smallest and Most Satisfactory Driving Lamp Made. Especially Adapted for All Light Driving Vehicles.

Per Dozen

Dietz "Eureka"—7¼ in. High, Cold Rolled Steel Body, Black Enameled, Nickel Plated Door Rim, 3⅛ in. Plain Front Lens, 3¼ in. Ruby Rear Lens, Dietz Patent Wing-Lock Burner Taking ⅝ in. Wick, Complete with Dash Clamp Holder for Attaching to Right or Left Side of Vehicle and Bail.....$ . . .

Dietz "Eureka" O—With Optical Lens, Otherwise Same as Above . . . . . .

A bright white light is shown to the front and a ruby lens acts as a warning signal from the rear. A simple turn of the wrist is all that is needed to remove the burner from the fount or to attach same The wick will not jar down, and lamp can be depended upon to maintain a steady light.

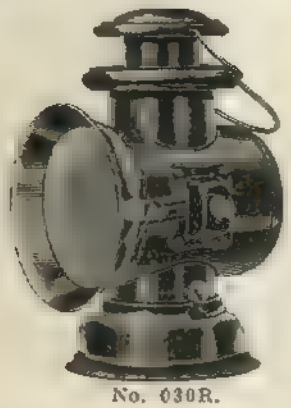
The fount holds sufficient oil to burn 10 hours.

Weight Per Dozen 26 Pounds.

One Dozen in a Box

Note—In ordering, state if Lamp with Right or Left Hand Bracket is wanted.

DIETZ OCTO DRIVING, COLD BLAST



No. 030R.

Dash Clamp Holder

Per Dozen

No. 030R—10¼ in. High, Cold Rolled Steel Body, Black Enameled, Brass Door Rim, Removable Aluminum Reflector, No. 0 Nickel Plated Brass Cone Burner, ⅝ in. Wick, 4⅝ in. Diameter Plain 30 Candle Power Front Lens, 2¼ in. Diameter Ruby Rear Lens, Complete with Right or Left Hand Sockets, Dash Clamp Holder and Bail...$....

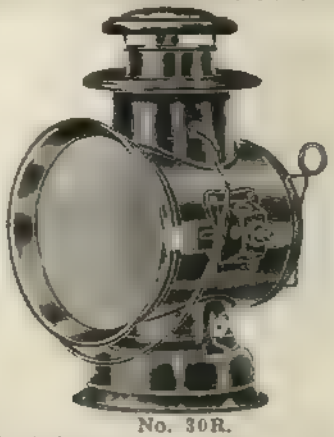
No. 070R—With 4⅝ Diameter Optical 70 Candle Power Lens, Otherwise Same as No. 030R. . . . .

Fount holds sufficient oil to burn 10 hours.

Weight Per Dozen 54 Pounds

One-half Dozen in a Box.

DIETZ UNION DRIVING, COLD BLAST



No. 30R.

Per Dozen

No. 30R—11¼ in. High, Cold Rolled Steel Body, Black Enameled, Brass Door Rim, Removable Aluminum Reflector, No. 0 Nickel Plated Brass Long Cone Burner, ⅝ in. Wick, 5⅛ in. Diameter Plain 30 Candle Power Front Lens, 2¼ in. Diameter Ruby Rear Lens, Complete with Right or Left Hand Sockets, Dash Clamp Holder, Spring for Dashboard and Bail..... $.

No. 70R—With 5⅛ in. Diameter Optical 70 Candle Power Front Lens, Otherwise Same as No. 30R ....

Extra Fount and Burner—For Dietz Union Driving Lamps ....

Fount holds sufficient oil to burn 10 hours.

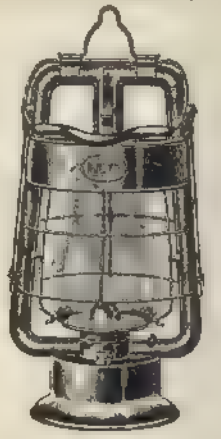
Weight Per Dozen 72 Pounds

One-half Dozen in a Box.

Note—The Dietz Union and Octo Driving Lamps comply with the Night-Driving Laws of States and Cities. Will not jar or blow out.

LANTERNS

KING FIRE DEPARTMENT, HOT BLAST



Per Dozen

King—14½ in. High, Round Tubular, Red Enameled Finish, One Piece Drawn Polished Copper Fount, Reinforced with Heavy XXXX Tinned Steel, Patent Hinged Wind and Water Guard, No. 1 Tinned Steel Hinged Cone Burner, ⅝ in. Wick, "Fitzall" Heat-Resisting White Globe .....$ . . .

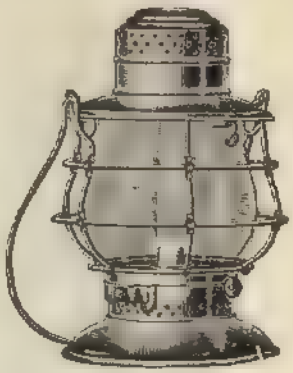
King B—All Polished Brass, Otherwise Same as Above . . . . . .

King N—Nickel Plated Brass, Otherwise Same as Above .....

Gives a light of 4 candle power. Fount holds sufficient oil to burn 13 hours.

Weight Per Dozen 76 Pounds.
One Dozen in a Box.

IMPROVED STANDARD RAILROAD



Per Dozen

No. 39—10 in. High, Bright Tin, Round Wire Guards, Heavy Stamped Base, Fount Provided with a Safety Oil Valve and is Held Securely to Frame by Patented Automatic Retaining Spring, No. 2 Wing-Lock Ratchet Burner for Signal Oil, 1 in. Wick, No. 39 White Globe....$.....

Gives a light of 3 candle power. Fount holds sufficient oil to burn 24 hours.

The upright guard wires are locked to the base ring by a patent band. The oil fount can be removed with one hand.

Weight Per Dozen 44 Pounds.
One Dozen in a Box

BULL'S-EYE POLICE

Per Dozen

Bull's-Eye—8 in. High, Brown Japanned, 3 in. Bull's-Eye Lens, No. 601 Special Ratchet Burner for Signal Oil, ⅝ in. Wick.....$....

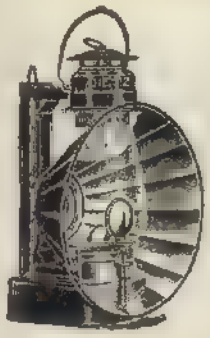
Gives a reflected light of 3 candle power. Fount holds sufficient oil to burn 16 hours.

This lantern is furnished with a movable slide or cut-off behind the bull's-eye for shutting off the light.

In operation the slide may be revolved forward and backward by the thumb of the hand holding the lantern, leaving the right hand free.

Weight Per Dozen 24 Pounds.
Two Dozen in a Box.

BEACON, COLD BLAST, WALL

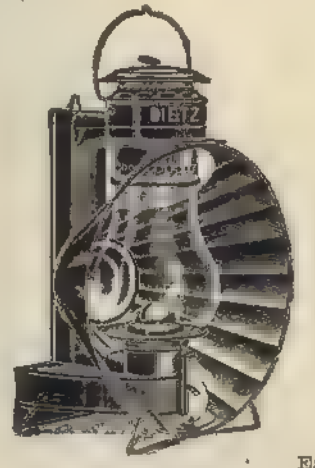


Per Dozen

No. 30—15¼ in. High, Green Enameled, Bright Tin Reflector, 7 in. Deep, 12 in. Across, 2¼ in. Diameter Bull's-Eye Lens on Perforated Plate, No 1 Wing-Lock Cone Burner, 1 in. Wick, No. 2 Blizzard Cold Blast Globe .....$....

Gives a light of 50 candle power. Fount holds sufficient oil to burn 35 hours.

Weight Per Dozen 90 Pounds.
One-half Dozen in a Box



Each

No. 60—20⅛ in. High, Green Enameled Bright Tin Reflector, 8 in. Deep, 16 in. Across, 5 in. Silvered Glass Reflector, No. 3 Short Shaft Wing-Lock Cone Burner, 1½ in. Wick, No. 2 Tubular Globe . . . . . $....

Gives a light of 100 candle power. Fount holds sufficient oil to burn 30 hours

Weight Each 24 Pounds.
One in a Box.

Beacon Cold Blast Wall Lanterns are especially suitable for the lighting of dancing platforms, boat landings, horse sheds, open air meetings, etc.

LANTERNS

DIETZ, COLD BLAST, WALL

Per Dozen

No. 15—15 in. High, Tin, Green Enameled, 5 in. Silvered Glass Reflector, No. 1 Tinned Steel Burner, ⅝ in. Wick, White "Fitzall" Globe..$.....

Gives a light of 20 candle power. Fount holds sufficient oil to burn 45 hours.

Especially desirable for use in dark passages, stairways, cellars and similar places. Can be filled, lighted and regulated without removing globe.

Weight Per Dozen 62 Pounds.
One-half Dozen in a Box.

CLIMAX PLATFORM

Each

No. 1—15 in. High, 8¾ in. Wide, 7⅝ in. Deep, Green Enameled, 7 in. Silvered Glass Reflector, No. 1 Burner, ⅝ in. Wick, No. 1 Sunbulb Chimney, Fount Holds Oil to Burn 20 Hours, Weight Each 13 Lbs.....$.....

No. 2—17½ in. High, 10¾ in. Wide, 8¾ in. Deep, Green Enameled, 8 in. Silvered Glass Reflector, No. 2 Burner, 1 in. Wick, No. 2 Sunbulb Chimney, Fount Holds Oil to Burn 23 Hours, Weight Each 19 Lbs.....

Adaptable to indoor and outdoor purposes, and are largely used for the illumination of dancing platforms, skating ponds, etc.

One in a Box.

PIONEER, COLD BLAST, STREET

Each

Pioneer — 25½ in. High, Heavy Tin, Green Enameled, No. 3 Tinned Steel Safety Wing-Lock Cone Burner, 1½ in. Wick, Plain Pioneer Globe, 2⅞ in. Post Socket, Self-Extinguishing Device, for Either Post or Bracket .....$.....

Extra Fount and Burner—For Above.....

Gives a light of 22 candle power. Fount holds sufficient oil to burn 24 hours.

Requires no chimney and gives a steady light, double that of an ordinary street lamp. It can be filled, lighted and regulated without removing the globe

Weight Each 27 Pounds.
One in a Box.

STREET LAMP BRACKETS

Each

No. 1—20 in. Long, Ornamental Iron, Black Japanned, for Street Lamps. .....$.....

LANTERN BRACKETS AND HOLDERS

No A. No B No E

Per Dozen

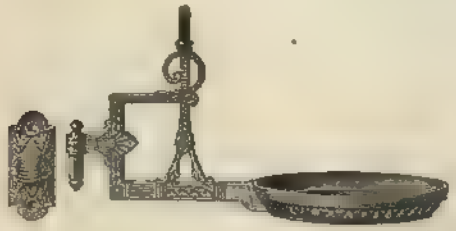
No. A—Dash Clamp Holder, for Junior Wagon and Eureka, Octo and Union Driving Lanterns....$....

No. B—Finger Prop Holder, for Junior Wagon and Eureka, Octo and Union Driving Lanterns.....

No. E—Flat Bracket Holder, for Junior Wagon Lanterns, to Locate Same on Any Size of Vehicle.....

Open Stock

LAMP BRACKETS



Per Dozen

No. 140—3½ in. Arm, 5½ in. Diameter Cup, Cast Iron, Enameled, with Reflector Pin.....$2 50

One-half Dozen in a Box, with Screws.

Per Dozen

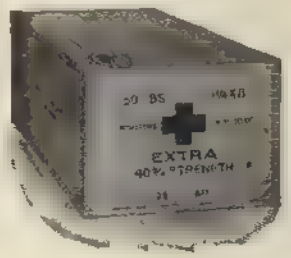
No. 150—10 in. Arm, 5½ in. Diameter Cup, Cast Iron, Enameled, with Reflector Pin.....$6.00

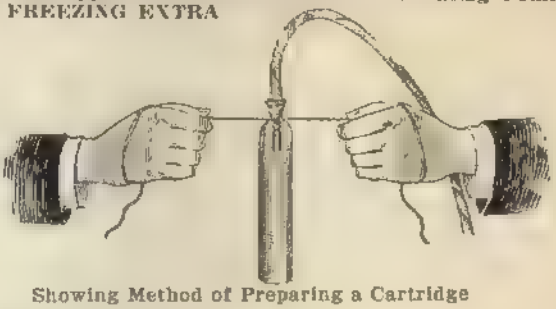
One-sixth Dozen in a Box, with Screws.

DYNAMITE

Dynamite and Dynamite Caps are not Carried in Stock, but are Shipped Direct from Nearest Distributing Point.

DUPONT RED CROSS LOW FREEZING EXTRA





Showing Method of Preparing a Cartridge

Standard Size of Cartridge 1¼x8 in.

Ammonia, Per Cent Strength	**40**	**50**	**60**
Per 100 Pounds		Market Price	

25 Pounds (50 Sticks) in a Case.

A low freezing Dynamite. Seldom requires thawing even in the coldest weather. Red Cross Dynamite will be found most satisfactory for an all around explosive for general purposes.

Note—Dynamite and Powder can be shipped together but under no circumstances can they be shipped with Dynamite Caps or any other goods.

Dynamite and Powder cannot be shipped by express or boat, but must go by freight.

DYNAMITE CAPS

	Per 1000
No. 6—1⅝ in. Long	Market

One Hundred in Red Metal Box.

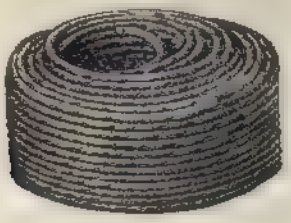
Note—Dynamite Caps cannot be shipped with Dynamite or Powder, nor with other goods, but must be shipped alone by freight.

CAP CRIMPERS

	Each
No. 1—5⅝ in. Long, Steel Nickel Plated	$1.40

One-half Dozen in a Box.

SAFETY FUSE



	Per 1000 Feet
Cotton—For Use in Dry Ground	$
Single Tape—For Use in Damp Work	
Double Tape—For Use in Wet Work	

50 Feet in a Coil; 100 Feet in a Package.
1000 Feet in a Case.

ELECTRICAL FUZES

Used with Blasting Machines for Firing Explosives.

No. 6—Double Strength, with Copper Wires.

Length Wire, Feet	**4**	**6**	**8**	**10**	**12**
Weight Per 100, Lbs.	3½	5¼	6¾	8	9¾
Per 100	$				

50 in a Carton (no Less Sold). 500 in a Case.

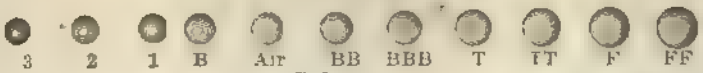
BLASTING MACHINES

DUPONT PUSH DOWN

	Each
No. 2—Two Posts, has a Capacity of 10 Copper Wire Electric Blasting Caps or 7 Iron Wire Electric Blasting Caps, Used in Stump and Boulder Blasting and Where More than 5 Holes are to be Fired at a Time, Weight 15 Lbs	$
No. 3—Two Posts, has a Capacity of 30 Copper Wire Electric Blasting Caps, Standard Size for Quarry and Mine, Weight 25 Lbs	

Blasting Machines are used to generate the current for firing blasts by electricity. Dupont Blasting Machines are small, portable dynamos, in which the armature is rotated by the downward thrust of the rack bar, thereby converting muscular energy into electrical energy.

SHOT



Rifle

												Air Rifle						
Nos.	12	10	8	7	6	5	4	3	2	1	B		BB	BBB	T	TT	F	FF
Diameter, Inches	.05	.07	.09	.10	.11	.12	.13	.14	.15	.16	.17	.17½	.18	.19	.20	.21	.22	.23
No. in Ounce, Drop	2326	848	399	291	218	168	132	106	86	71	59	55	50	42	36	31	27	24
No. in Ounce, Chilled	2385	868	409	299	223	172	136	109	88	73	...	...	...	...	...	...	...	...

DROP SHOT	Per Sack
Nos. 5 to 1—25 Pound Sacks	$.. ..
Nos. B and Larger—25 Pound Sacks	

CHILLED SHOT	Per Sack
Nos. 5 to 1—25 Pound Sacks	$.. ..

BOY SCOUT AIR RIFLE SHOT

This Shot is made with especial care to fit most makes of Air Rifles. The tube is designed for pocket use, and by turning the band, the shot may be removed as wanted.

Per Case

Boy Scout—In 5 Ounce Tubes, Contain Over 250 Pellets. 100 Tubes in a Case.....Market Price

GUN WADS

WINCHESTER CARD WAD

WINCHESTER

WINCHESTER BLACK EDGE

CARDBOARD

"A" Thickness, for Use Over Powder, 70-1000 in. Thick.					
Gauge	9	10	12	16	20
Per 1000	$0.40	.40	.35	35	.35
"B" Thickness, for Use Over Shot, 40-1000 in. Thick.					
Gauge	9	10	12	16	20
Per 1000	$0.40	.40	.35	.35	.35

BLACK EDGE

⅛ in. Thick, Elastic Felt with Paper on Both Sides.

Gauge	9	10	12	16	20
Per 1000	$2.70	2.70	2.25	2.25	2.25

250 in a Box, 4 Boxes (1000) in a Package.

CARTRIDGE BELTS

Per Dozen

No. 13½—Best Quality Heavy Russet Leather, 2½ in. Wide, 1½ in. Leather Loops Stitched on, Heavy Nickel Plated Buckle, Capacity 35 Rounds, Made in all Calibers.....$9.00

SHELL BELTS

Per Dozen

No. 2—Extra Fine Canvas Webbing, 3 in. Wide, Heavy Canvas Shell Pockets Closed at Bottom by Canvas Strips, Leather Buckle and Shoulder Strap, Holds 29 Shells, 10 to 20 Gauge.....$6.00

CLEANING IMPLEMENTS

Four Piece Set, For Brass and Paper Shot Shells.

Set Contains One Each Loader, Recapper, Shell Extractor, Powder and Shot Measure.

Nos.	15910	15912	15916	15920
Gauge Nos.	10	12	16	20
Per Dozen Sets	$6.72	6.72	6.72	6.72

One Set in a Box.

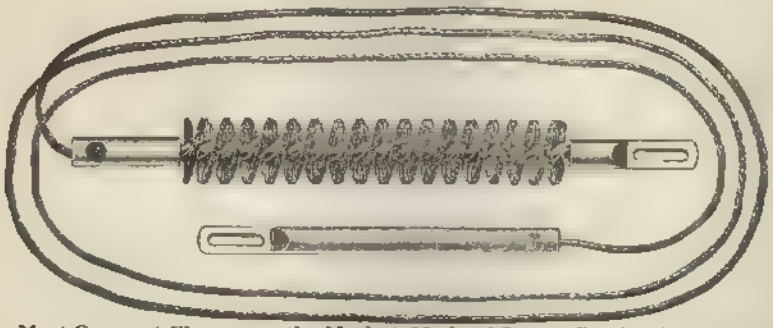
Five Piece Set, For Brass and Paper Shot Shells.

Set Contains One Each Loader Closer, Recapper, Shell Extractor, Powder and Shot Measure.

Nos.	16010	16012	16016	16020
Gauge Nos	10	12	16	20
Per Dozen Sets	$15.34	15 34	15.34	15 34

One Set in a Box.

RIFLE CLEANERS
U. S. GOVERNMENT

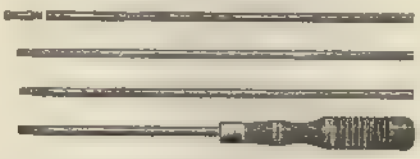


The Most Compact Cleaner on the Market, Made of Strong Serviceable Materials.

Each

No. U S.—Calibers 6M/M, .25, .30, .32, .38, .40, .44, .45 and .50, Complete as Shown, State Caliber in Ordering. $0 50

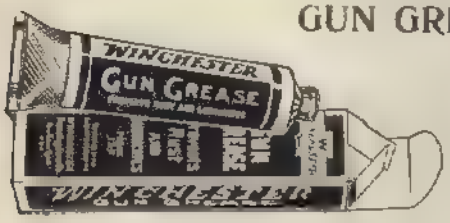
RIFLE RODS



Per Dozen.

No. 141B—.22 to .50 Caliber, Four 8½ in. Brass Joints, Slotted and Jagged, Revolving Cocobolo Handle and Threaded Tip, to Take Brass or Bristle Brushes, Each in a Canvas Bag. $9.00
One Dozen in a Box.

GUN GREASE



Per Dozen

No. 50—Winchester, in Collapsible Tubes $1.80

A positive rust preventive, for any polished metal surface. Will not become rancid or flow off from a warm barrel.
One Dozen in a Display Box

RUST REMOVER

Per Dozen

No. 25—Winchester, in Collapsible Tubes $3.00

For removing rust from the bores of all kinds of fire arms and metallic instruments
One Dozen in a Display Box.

GUN OIL

Per Dozen

Rem—2½ Oz Bottles. $3.00

The perfected combination, lubricating oil, powder solvent and rust preventive. Rem oil is absolutely clear and colorless which proves its purity
One Dozen in a Box.

GUN OIL

Per Dozen

No. W—Winchester, 1 Oz. Bottles $1.80

For lubricating the lock mechanism of rifles, shot guns, revolvers, sewing machines, bicycles, typewriters, etc. Will not gum or stick or become rancid under any conditions
One Dozen in a Display Box.

RIFLE BRUSHES

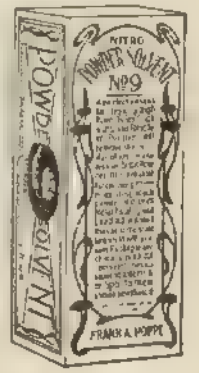
22 to .50 Caliber.

Per Dozen

No. 246—Bristle Brush, with Twisted Brass Core and Shank $1.30

No. 246B—Brass Wire Brush, with Twisted Brass Core and Shank 1 70
One Dozen in a Box

NITRO POWDER SOLVENT



Per Dozen

No. 9—2 Oz. Bottles. . . . . $. . . .

For cleaning high power rifles, shot guns, revolvers, and fire arms of all kinds. Removes and prevents rust and corroding. It will remove the residue of any high power powder, including black powder. It eliminates the use of the brass brush

CRYSTAL CLEANER

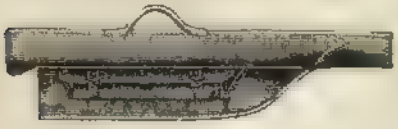
Per Dozen

No. CC—Winchester, 3½ Oz. Bottles $3.00

Dissolves the copper and nickel fouling in rifles, without injury to the barrel.
One Dozen in a Display Box.

GUN AND RIFLE COVERS

TAKE DOWN STYLE



Each

No. A—Heavy Brown Army Duck, Heavy Maroon Colored Flannel Lining, Lock and Muzzle Protected with Heavy Orange Leather, Extra Heavy Handle, Orange Leather Bound, Hand Sewed Ends, When Ordering State Length of Barrel and if Shot Gun or Rifle . . . . . $

FULL LENGTH

Each

No. B—Heavy Brown Army Duck, Lined with Maroon Colored Flannel, Lock and Muzzle Protected with Heavy Orange Leather, Extra Heavy Combination Sling and Handle, Leather Bound, Hand Sewed Ends, When Ordering State Length of Barrel and if Shot Gun or Rifle.....$.....

WHISTLES

Each

No. 1—Britannia, Small Size $0 15
No. 2—Britannia, Medium Size 20
No. 4—Britannia, Large Size 25

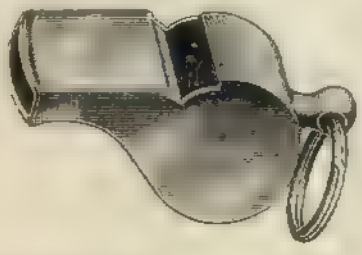
Twelve in a Box.

Duplex, Large Size.

Each

No. 500—3½ in. Long, Brass, Heavily Nickel Plated, with Chain.....$0 25
No. 450—Same as No. 500, without Chain..... .20

Twelve in a Box.



Each

No. 314—Police Special, Heavy Solid Brass, Nickel Plated, with Ring.....$0 50

The loudest and most penetrating Whistle made. Used by police, traffic and military squads.

Twelve in a Box

TARGET TRAPS

DUPONT HAND

Each

Dupont—Constructed of High Grade Malleable Iron, Equipped with a Strong Coil Main Spring which Propels the Throwing Arm with Considerable Force, Weight 6¼ Lbs $6 50
No. 1—Strong Canvas Case for Above Trap. 1 50

A simple, practical and efficient apparatus for throwing all standard makes of clay targets. Will throw targets about 40 yards. Targets can also be thrown from 60 to 80 yards according to the skill of the operator It is very compact and easily fits in a suit case or traveling bag.

POLICE GOODS

MATTATUCK HANDCUFFS

Automatic Double Locking, Can't be Picked.

Per Pair

No. 600—3½x9¼ in., Finely Nickel Plated, Weight Per Pair 1 Lb. 2 Oz.....$6.00

Features:—After unlocking, the key may be taken out and the cuffs carried in the pocket, closed and unlocked. When about to place on a prisoner the jaws may be snapped back, then forced down on his wrist, locking automatically. They may be opened with one hand.

MATTATUCK LEG IRONS

Per Pair

No. 700—Same Good Qualities and Features as No 600 Hand Cuffs, Finely Nickel Plated, Weight Per Pair 1¾ Lbs.....$7.00

MATTATUCK TWISTERS

Each

No. 75—Selected Malleable Iron Interlocking Handles, Reversible, Light, Strong and Durable, Heavily Nickel Plated, Weight Each 4 Oz.....$0 75

POCKET KNIVES

*ENTERPRISE CUTLERY CO., GERMANY

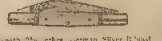
Imported, Made Up and Sold at a Price, Will Give Good Service for Purposes Intended. Well Made and Finished. NOT GUARANTEED

TWO BLADE PENS

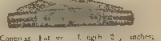
Senator Pattern, Length 3¼ inches, German Silver Fluted Bolsters, One Large Spear and One Small Pen Blade, Gilt Etched German Silver Lining, No Shield, Weight per Dozen 6 ozs.
Per Dozen
No. F2382P—Pearl Handle $3 00

Senator Pattern, Length 3¼ inches, German Silver Fluted Bolsters, One Large Spear and One Small Pen Blade, Gilt Etched German Silver Lining, No Shield, Weight per Dozen 6 ozs.
Per Dozen
No. F382P Pearl Handle $3 00

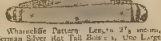
Senator Pattern, Length 3¼ inches, Polished Steel Bolsters, One Large Spear and One Small Pen Blade, Full Polished, Iron Lining, No Shield, Weight per Dozen 6 ozs.
Per Dozen
No. F370P—Pearl Handle $4 00



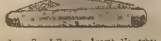
Length 3¼ inches, German Silver Fluted Bolsters, One Large Spear and One Small Pen Blade, Full Polished, Brass Lining, No Shield, Weight per Dozen 6 ozs.
Per Dozen
No. F235P Pearl Handle $3 00



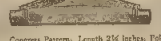
Congress Pattern, Length 2½ inches, Polished Steel Bolsters, One Large Spear and One Small Pen Blade, Full Polished, Brass Lining, No Shield, Weight per Dozen 6 ozs.
Per Dozen
No. F375P Pearl Handle $3 50



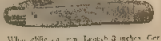
Wharncliffe Pattern, Length 2¾ inches, German Silver Bolsters, Full Polished, One Large Congress and One Small Pen Blade, No Shield, Weight per Dozen 8 ozs.
Per Dozen
No. F237P Pearl Handle $5 00



Stove Board Pattern, Length 2¾ inches, German Silver Flush Bolsters, One Large Spear and One Small Pen Blade, Gilt Etched Brass Lining, German Silver Shield, Weight per Dozen 8 ozs.
Per Dozen
No. F249P Pearl Handle $3 00



Congress Pattern, Length 2½ inches, Polished Steel Bolsters, One Large Congress and One Small Pen Blade, Full Polished, Iron Lining, No Shield, Weight per Dozen 6 ozs.
Per Dozen
No. F374P—Pearl Handle $3 50

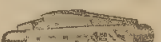


Wharncliffe Pattern, Length 3 inches, German Silver Flush Bolsters, One Large Spear and One Small Pen Blade, Full Polished, Brass Lining, No Shield, Weight per Dozen 8 ozs.
Per Dozen
No. F239P Pearl Handle $5 00

Wharncliffe Pattern, Length 3 inches, German Silver Flush Bolsters, One Large Clip and One Small Pen Blades, Gilt Etched Brass Lining, German Silver Shield, Weight per Dozen 8 ozs.
Per Dozen
No. F238ST—Patent Stag Handle $4 00

Length 3 inches, German Silver Flat Bolsters, One Large Spear and One Small Pen Blade, Full Polished, Iron Lining, No Shield, Weight per Dozen 8 ozs.
Per Dozen
No. F373P—Pearl Handle $3 00

Senator Pattern, Length 3¼ inches, German Silver Stag and Bolsters, One Large Spear and One Small Pen Blade, Full Polished, Iron Lining, No Shield, Weight per Dozen 10 ozs.
Per Dozen
No. F376P—Pearl Handle $5 00



Stove Board Pattern, Length 3¼ inches, German Silver Flush Bolsters, One Large Spear and One Small Pen Blade, Full Polished, Brass Lining, German Silver Shield, Weight per Dozen 10 ozs.
Per Dozen
No. F271P Pearl Handle $5 00

Stove Board Pattern, Length 3 inches, German Silver Flush Bolsters, One Large Spear and One Small Pen Blade, Full Polished, Brass Lining, No Shield, Weight per Dozen 12 ozs.
Per Dozen
No. F373P—Pearl Handle $6 00

Wharncliffe Pattern, Length 3 inches, German Silver Flush Bolsters, One Large Spear and One Small Pen Blade, Glazed, Brass Lining, German Silver Shield, Weight per Dozen 10 ozs.
Per Dozen
No. F238ST—Patent Stag Handle $5 50

Half Dozen in a Box

POCKET KNIVES

*ENTERPRISE CUTLERY CO., GERMANY

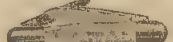
Imported, Made Up and Sold at a Price, Will Give Good Service for Purposes Intended. Well Made and Finished. NOT GUARANTEED

TWO BLADE PENS

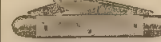
Stove Board Pattern, Length 3 inches, German Silver Flush Bolsters, One Large Spear and One Small Pen Blade, Full Polished, Brass Lining, German Silver Shield, Weight per Dozen 12 ozs.
Per Dozen
No. F237P—White Bone Handle $4 00
No. F237ST—Patent Stag Handle $4 00

Senator Pattern, Length 3¼ inches, German Silver Flush Bolsters, One Large Spear and One Small Pen Blade, Full Polished, Brass Lining, No Shield, Weight per Dozen 12 ozs.
Per Dozen
No. F239P—Pearl Handle $3 00

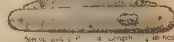
Dawson Pattern, Length 3¼ inches, German Silver Flush Bolsters, One Large Spear and One Small Pen Blade, Half Polished, Brass Lining, German Silver Shield, Weight per Dozen 12 ozs.
Per Dozen
No. F238ST Patent Stag Handle $3 00



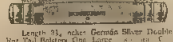
Barlow Pattern, Length 3¼ inches, German Silver Flush Bolsters, One Large Spear and One Small Pen Blade, Full Polished, Brass Lining, No Shield, Weight per Dozen 12 ozs.
Per Dozen
No. F303P—Pearl Handle $3 00



Senator Pattern, Length 3¼ inches, German Silver Flush Bolsters, One Large Spear and One Small Pen Blade, Full Polished, Brass Lining, No Shield, Weight per Dozen 12 ozs.
Per Dozen
No. F307P—Pearl Handle $3 00

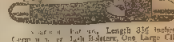


Senator Pattern, Length 3¼ inches, German Silver Flush Bolsters, One Large Spear and One Small Pen Blade, Glazed, Brass Lining, No Shield, Weight per Dozen 12 ozs.
Per Dozen
No. F238W White Bone Handle $3 50
No. F238ST—Patent Stag Handle $3 50



Length 3¼ inches, German Silver Double Wire Fish Bolsters, One Large Spear and One Small Pen Blade, Glazed, Brass Lining, German Silver Shield, Weight per Dozen 12 ozs.
Per Dozen
No. F263P—Pearl Handle $3 00

Senator Pattern, Length 3¼ inches, German Silver Flush Bolsters, One Large Spear and One Small Pen Blade, Glazed, Brass Lining, German Silver Shield, Weight per Dozen 12 ozs.
Per Dozen
No. F238ST—Patent Stag Handle $4 00



Senator Pattern, Length 3¼ inches, German Silver Flush Bolsters, One Large Spear and One Small Pen Blade, Glazed, Brass Lining, German Silver Shield, Weight per Dozen 12 ozs.
Per Dozen
No. F238ST Patent Stag Handle $4 00

THREE BLADE PENS

Wharncliffe Pattern, Length 3 inches, German Silver Flush Bolsters, One Large Wharncliffe and Two Small Pen Blades, Full Polished, Brass Lining, German Silver Shield, Weight per Dozen 10 ozs.
Per Dozen
No. F239P Pearl Handle $5 00

Length 3 inches, German Silver Flush Bolsters, One Large Spear, One Small Pen and One File Blade, Full Polished, Brass Lining, German Silver Shield, Weight per Dozen 10 ozs.
Per Dozen
No. F361P—Pearl Handle $5 00

Senator Pattern, Length 3¼ inches, German Silver Scored Bolsters, One Large Spear, One Small Pen and One File Blade, Full Polished, Brass Lining, German Silver Shield, Weight per Dozen 10 ozs.
Per Dozen
No. F260P—Pearl Handle $5 00

Bulldog Pattern, Length 3¼ inches, German Silver Flush Bolsters, One Large Spear, One Small Pen And One File Blade, Full Polished, Brass Lining, Pin Scored, Weight per Dozen 10 ozs.
Per Dozen
No. F263P Pearl Handle $5 00

FOUR BLADE PENS

Senator Pattern, Length 3¼ inches, German Silver Scored Bolsters, One Large Spear, Two Small Pens and One File Blade, Full Polished, Brass Lining, German Silver Shield, Weight per Dozen 10 ozs.
Per Dozen
No. F402P—Pearl Handle $8 00
Half Dozen in a Box

Congress Pattern, Length 3 inches, German Silver Flush Bolsters, One Large Spear, Two Small Pens and One Pen Blade, Full Polished, Brass Lining, Pin Scored, Weight per Dozen 10 ozs.
Per Dozen
No. F401P Pearl Handle $8 00

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POCKET KNIVES

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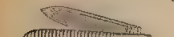
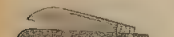
ONE AND TWO BLADE BOYS JACKS



Boys Jack Pattern; Length 3¾ inches; One Large Spear Blade, Glazed; Iron Lining; Weight per Dozen 15 ozs.

Per Dozen

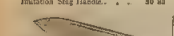
No. F5—Bright Tin Handle, Corrugated $0 60



Boys Jack Pattern, Length 2¾ inches; One Large Sheep Foot Blade, Glazed, Iron Lining; Bright Bolsters; Weight per Dozen 10 ozs.

Per Dozen

No. F14—Brown Japanned Metal, Imitation Stag Handle . . . $0 83



Boys Jack Pattern; Length 2¾ inches; Polished Steel Flush Bolsters; One Large Spear Blade, Glazed; Iron Lining; No Shield, Weight per Dozen 10 ozs.

Per Dozen

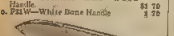
No. F13W White Bone Handle . . $1 40

Boys Jack Pattern; Length 3¾ inches; Polished Steel Flush Bolsters, One Large Spear and One Small Pen Blade; Glazed Iron Lining; No Shield, Weight per Dozen 12½ lbs.

Per Dozen

No. F21E—Ebonized Hard Wood Handle $1 70

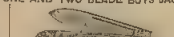
No. F21W—White Bone Handle 2 70



Boys Jack Pattern; Length 3¾ inches; Polished Iron Bolsters, One Large Spear Blade, Glazed; Unlined; Weight per Dozen 20 ozs.

Per Dozen

No. F16S—Black Malleable Cast Iron, Embossed Handle $1 03



Boys Jack Pattern; Length 3¾ inches; One Large Spear Blade, Glazed; Iron Lining; Weight per Dozen 10 ozs.

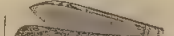
Per Dozen

No. F16—Black Painted Tin Handle, Eagle Design $0 70

Boys Jack Pattern; Length 3¾ inches; One Large Sheep Foot One Small Pen Blade, Glazed; Iron Lining; Weight per Dozen 12 ozs.

Per Dozen

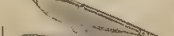
No. F19—Bright Tin Handle, Warship Design $1 20



Boys Jack Pattern; Length 3¾ inches; Polished Rat Tail Bolsters; One Large Spear Blade Glazed, Iron Lining; Weight per Dozen 20 ozs.

Per Dozen

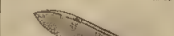
No. F15—Brown Japanned Metal, Imitation Stag Handle . . . $2 50



Boys Jack Pattern; Length 3¾ inches; Polished Steel Rat Tail Bolsters; One Large Spear Blade, Glazed; Iron Lining, No Shield, Weight per Dozen 20 ozs.

Per Dozen

No. F20—Brown Japanned Metal, Stag Iron Handle $1 60



Regular Jack Pattern; Length 3¾ inches; Polished Steel Flush Bolsters; One Large Spear and One Small Pen Blade, Glazed, Iron Lining; German Silver Shield; Weight per Dozen 15 lbs.

Per Dozen

No. F20ST Patent Stag Handle . . $3 50

One Dozen in a Box

Boys Jack Pattern, Length 2¾ inches with Chain; Polished Rat Tail Bolsters; One Large Sheep Foot Blade, Glazed Iron Lining. Weight per Dozen 10 ozs.

Per Dozen

No. F15—Brown Japanned Metal, Imitation Stag Handle $1 60

Boys Jack Pattern; Length 2¾ inches with Chain, Polished Rat Tail Bolsters; One Large Sheep Foot and One Small Pen Blade, Glazed Iron Lining. Weight per Dozen 12 ozs.

Per Dozen

No. F22—Brown Japanned Metal, Imitation Stag Handle $1 70

Easy Opener; Length 3¾ inches, with Chain, Polished Steel Flush Bolsters; One Large Spear and One Small Pen Blade, Glazed and Etched; Iron Lining; German Silver Shield Weight per Dozen 15½ lbs.

	Per Dozen
No. F23C—Walnut Handle	$2 70
No. F21E—Ebony Handle	2 70
No. F21ST—Patent Stag Handle	3 70

POCKET KNIVES

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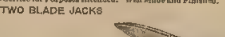
TWO BLADE JACKS

Physicians Pattern; Length 3¼ inches; German Silver Scoured Bolsters and Plain Seal Caps; One Large Spear and One Small Pen Blade Half Polished and Stamped; Brass Linings German Silver Shield; Weight per Dozen 20 ozs.

Per Dozen

No. F21ST—Patent Stag Handle . . $2 50



Physicians Pattern, Length 3¾ inches; German Silver Flush Bolsters Unstamped, One Large Spear and One Small Pen Blade, Glazed; Brass Linings No Shield, Weight per Dozen 20 ozs.

Per Dozen

No. F21GE — Ebony Handle $2 50

No. F21GST—Patent Stag Handle 2 80

Serpentine Pattern, Length 3¼ inches; German Silver Flush Bolsters and Caps; One Large Cap and One Small Pen Blade Half Polished and Etched, Brass Lining; German Silver Shield, Weight per Dozen 2 lbs.

No. F22GST—Patent Stag Handle . . . . . .

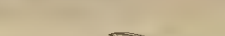
Per Dozen

$7 00

Physicians Pattern, Length 3¼ inches, German Silver Fluted Rat Tail Bolster and Plain Seal Cap; One Large Spear and One Small Pen Blade; Blades Polished and Glazed; Brass Lining German Silver Shield; Weight per dozen 2 lbs.

Per Dozen

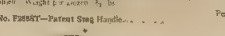
No. F22SST—Patent Stag Handle $7 70



Gun Stock Pattern, Length 3¾ inches, German Silver Bolster and Cap; One Large Cap and One Small Pen Blade Half Polished and Etched; Brass Lining, German Silver Shield Weight per dozen 2 lbs.

Per Dozen

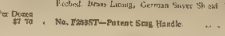
No. F22GST—Patent Stag Handle $7 70



Gun Stock Pattern, Length 3¾ inches, German Silver Knurled Bolster and Plain Cap; One Large Spear and One Small Pen Blade Half Polished and Etched; Brass Lining, German Silver Shield Weight per Dozen 2 lbs.

Per Dozen

No. F22SST—Patent Stag Handle $7 70



Serpentine Pattern Length 3¾ inches; German Silver Fancy Bolster and Cap; One Large Cap and One Small Pen Blade, Glazed and Etched, Brass Lining; German Silver Shield, Weight per Dozen 2 lbs.

Per Dozen

No. F21SST—Patent Stag Handle $9 60

Half Dozen in a Box

WE URGE YOU TO USE THE MAIL IN ORDERING BETWEEN THE VISITS OF OUR SALESMEN. BY DOING THIS YOU CAN QUICKLY SECURE THE MERCHANDISE. BY QUICK SERVICE YOU DOUBLY PLEASE YOUR CUSTOMERS

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POCKET KNIVES

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ONE AND TWO BLADE BARLOWS

German Barlow, Length 3¾ inches; Brown Bone Handle, Polished Steel Bolsters, Iron Lining; Glazed Blades. Weight per Dozen 13½ lbs.

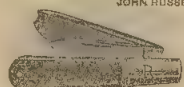
	Per Dozen
No. P6386PR —Large Spear and Small Pen Blade	$3 70
No. P6106LIP —Large Clip and Small Pen Blade	3 70
No. P6155BLFP—Large Sheep Foot and Small Pen Blade	3 70

One Dozen in a Box

German Barlow; Length 3¾ inches; Patent Stag Handles Polished Steel Bolsters; Iron Lining; Glazed Blades. Weight per Dozen 13½ lbs.

	Per Dozen
No. P6386PR —Large Spear and Small Pen Blade	$3 60
No. P6106LIP —Large Clip and Small Pen Blade	3 60

JOHN RUSSELL & CO., GREEN RIVER WORKS



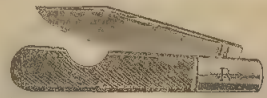
John Russell Barlow, Length 3¼ inches, Brown Bone Handle, Polished Steel Bolsters, Iron Lining, Glazed Blade. Weight per Dozen 9½ lbs.

	Per Dozen
No. 382 —Large Spear and Small Pen Blade	$4 50
No. 366 —Large Clip and Small Pen Blade	4 50
No. 39005 —Large Sheepfoot and Small Pen Blade	5 00
No. 368 —Large Sheep and Small Pen Blade	5 00

One Dozen in a Box

John Russell Barlow; Length 3¼ inches, Brown Bone Handle, Polished Steel Bolsters, Iron Lining, Glazed Blades. Weight per Dozen 9½ lbs.

	Per Dozen
No. 306—Large Spear Blade	$2.90
No. 305—Large Clip Blade	2 90

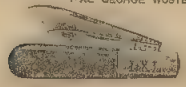


John Russell Barlow; Length 3 inches, Brown Bone Handle, Polished Steel Bolsters, Iron Lining, Glazed Blades. Weight per Dozen 9½ lbs.

	Per Dozen
No. 3501 —Regular Opener; Large Spear Blade	$5 50
No. 39099 —Long Opener; Large Clip Blade	5 50

Half Dozen in a Box

I*XL GEORGE WOSTENHOLM & SON, SHEFFIELD, ENGLAND



Pork Knife, Length 3¾ inches, Stainless Steel Blade. One Large Spear and One Small Pen Blade; Iron Lining; No Shield. Weight per Dozen

	Per Dozen
No. B3B—Brown Bone Handle	$6.65

Pork Knife, Length 3¾ inches, Stainless Steel Blade. One Large Spear and One Small Pen Blade; Iron Lining; No Shield. Weight per Dozen

	Per Dozen
No. B1S—Brown Bone Handle	$6.50

Half Dozen in a Box

POCKET KNIVES

I*XL GEORGE WOSTENHOLM & SON, SHEFFIELD, ENGLAND

TWO BLADE PENS

Sleeve Board Pattern, Length 2¾ inches; Unstapped, One Large Spear and One Small File Blade. Fine Polished Brass Lining. No Shield. Weight per Dozen 8 ozs.

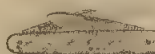
	Per Dozen
No. B6378 —Pearl Handle	$15 00

Congress Pattern; Length 3¼ inches; Polished Steel Rat Tail Bolsters. One Large Congress and One Small Pen Blade. Glazed Brass Lining; No Shield. Weight per Dozen 8 ozs.

	Per Dozen
No. B2152—Patent Stag Handle	$12 00

Congress Pattern, Length 3¼ inches; Polished Steel Rat Tail Bolsters. One Large Congress and One Small Pen Blade. Glazed Brass Lining; No Shield. Weight per Dozen 10 ozs.

	Per Dozen
No. B2153—Patent Stag Handle	$13 00



Sleeve Board Pattern, Length 3½ inches, Unstapped; One Large Spear and One Small Pen Blade; Full Polished Brass Lining. No Shield. Weight per Dozen 12 ozs.

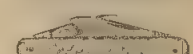
	Per Dozen
No. B6094—Pearl Handle	$20 00

Balloon Pattern, Length 3¼ inches; Polished Steel Rat Tail Bolsters; One Large Spear and One Small Pen Blade Glazed Brass Lining. German Silver Shield. Weight per Dozen 10 ozs.

	Per Dozen
No. B2349 —Patent Stag Handle	$13 00

Sleeve Board Pattern; Length 3½ inches; Unstapped; One Large Spear and One Small Pen Blade. Full Polished Brass Lining. No Shield. Weight per Dozen 12 ozs.

	Per Dozen
No. B3047 Buffalo Horn Handle	$12 00
No. B3075—Ivory Handle	18 00
No. B3095—Genuine Stag Handle	14 00
No. B3034—Pearl Handle	32 00



Sleeve Board Pattern. Length 3½ inches; German Silver Tipped. One Large Spear and One Small Pen Blade. Full Polished Brass Lining. No Shield. Weight per Dozen 16 ozs.

	Per Dozen
No. B3094—Genuine Stag Handle	$15 00
No. B2968—Pearl Handle	22 50

Congress Pattern, Length 3¼ inches, Polished Steel Rat Tail Bolsters. One Large Congress and One Small Pen Blade, Glazed Brass Lining; No Shield. Weight per Dozen 10 ozs.

	Per Dozen
No. B2155—Patent Stag Handle	$17 00

Congress Pattern; Length 3¼ inches; Polished Steel Rat Tail Bolsters. One Large Congress and One Small Pen Blade. Glazed Brass Lining; No Shield. Weight per Dozen 11 lbs.

	Per Dozen
No. B3146—Patent Stag Handle	$1.00

Half Dozen in a Box

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POCKET KNIVES

I*XL GEORGE WOSTENHOLM & SON, SHEFFIELD, ENGLAND

THREE BLADE PENS

Anglo-Saxon Pattern; Length 3 inches; German Silver Flush Bolsters. One Large Spear, One Small Pen and One File Blade, Full Polished and Etched. Brass Lining, German Silver Shield. Weight per Dozen 16 ozs.

Per Dozen

No. B12401—Pearl Handle $40 00

Anglo-Saxon Pattern; Length 3¼ inches; German Silver Flush Bolsters. One Large Spear, One Small Pen and One File Blade, Full Polished and Etched. Brass Lining, German Silver Shield. Weight per Dozen 18 ozs.

Per Dozen

No. B12317—Pearl Handle $44 00

Sleeve Board Pattern; Length 3¼ inches; German Silver Tipped. One Large Spear and Two Small Pen Blades, Full Polished Brass lining, No Shield. Weight per Dozen 15 ozs.

Per Dozen

No. B2066—Patent Stag Handle $32 00

Sleeve Board Pattern; Length 3¼ inches; German Silver Tipped. One Large Spear and Two Small Pen Blades, Full Polished Brass Lining. No Shield. Weight per Dozen 15 ozs.

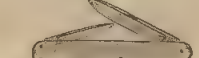
Per Dozen

No. B2061 Patent Stag Handle $17 00

Sleeve Board Pattern; Length 3¼ inches; Unpolished. One Large Spear and Two Small Pen Blades, Full Polished Brass Lining. No Shield. Weight per Dozen 15 ozs.

Per Dozen

No. B2045—Pearl Handle $32 00



Lobster Pattern; Length 3¼ inches; Unpolished. One Large Spear, One Small Pen and One File Blade, Full Polished, Brass Linings. No Shield. Weight per Dozen 18 ozs.

Per Dozen

No. B2136—Pearl Handle $44 00

Anglo-Saxon Pattern; Length 3¾ inches; German Silver Shield Bolsters; One Large Spear, One Small Pen and One File Blade, Full Polished and Etched. Brass Lining, German Silver Shield. Weight per Dozen 16 ozs.

Per Dozen

No. B17021 Patent Stag Handle $35 00

Cattle Pattern; Length 3¾ inches; German Silver Shield Bolsters, One Large Spear, One Large Pen and One File Blade, Full Polished and Etched. Brass Lining, German Silver Shield. Weight per Dozen 16 ozs.

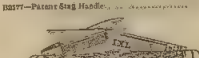
Per Dozen

No. B2177—Patent Stag Handle $30.00

Balloon Pattern; Length 3¼ inches; Polished Steel Rat Tail Bolsters; One Large Spear, One Small Pen and One File Blade, Glazed. Brass Linings; German Silver Shield. Weight per Dozen 13½ lbs.

Per Dozen

No. B17020—Patent Stag Handle $24 00



Bassoon Pattern; Length 3¼ inches; Polished Steel Rat Tail Bolsters; One Large Clip, One Small Pen and One File Blade Glazed. Brass Linings; German Silver Shield. Weight per Dozen 13½ lbs.

Per Dozen

No. B17021 Patent Stag Handle $23 00

FOUR BLADE PENS

Congress Pattern; Length 3¼ inches; Polished Steel Rat Tail Bolsters; One Large Congress, Two Small Pens and One File Blade, Glazed. Brass Lining, No Shield. Weight per Dozen 15 ozs.

Per Dozen

No. B2160—Patent Stag Handle $32 00

Congress Pattern; Length 3¼ inches; Polished Steel Rat Tail Bolsters; One Large Congress, Two Small Pens and One File Blade, Glazed. Brass Lining, No Shield. Weight per Dozen 15 ozs.

Per Dozen

No. B2473—Pearl Handle $36.00

Congress Pattern; Length 3¼ inches; Unpolished. One Large Congress, Two Small Pens and One File Blade, Full Polished, Brass Linings, No Shield. Weight per Dozen 15 ozs.

Per Dozen

No. B12659—Pearl Handle $48 00

Half Dozen in a Box

POCKET KNIVES

I*XL GEORGE WOSTENHOLM AND SON, SHEFFIELD ENGLAND

FOUR BLADE PENS

Congress Pattern; Length 3¼ inches; Polished Steel Rat Tail Bolsters; One Large Congress, Two Small Pens and One File Blade, Glazed, Brass Linings. No Shield. Weight per Dozen 15 ozs.

Per Dozen

No. B2180—Patent Stag Handle $34 00

Sleeve Board Pattern; Length 3¼ inches; German Silver Tipped. One Large Spear, Two Small Pens and One File Blade, Full Polished, Brass Linings. No Shield. Weight per Dozen 15 ozs.

Per Dozen

No. B2068—Patent Stag Handle $28 00

Sleeve Board Pattern; Length 3¼ inches; German Silver Tipped. One Large Spear, Two Small Pens and One File Blade, Full Polished, Brass Linings, Nickel, German Silver Shield. Weight per Dozen 15 ozs.

Per Dozen

No. B12275—Patent Stag Handle $30.00

Congress Pattern; Length 3¼ inches; Polished Steel Rat Tail Bolsters; One Large Congress, Two Small Pens and One File Blade, Glazed, Brass Linings. No Shield. Weight per Dozen 15½ lbs.

Per Dozen

No. B2181 Patent Stag Handle $26 00

Congress Pattern; Length 3¼ inches; Polished Steel Rat Tail Bolsters, One Large Congress, One Tobacco and Two Small Pen Blades, Glazed, Brass Linings, No Shield. Weight per Dozen 15½ lbs.

Per Dozen

No. B2192 Patent Stag Handle $25 00

Congress Pattern; Length 3¼ inches; Polished Steel Rat Tail Bolsters, One Large Congress, One Tobacco and Two Small Pen Blades, Glazed, Brass Linings, No Shield. Weight per Dozen 15½ lbs.

Per Dozen

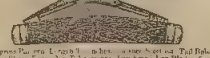
No. B2183—Patent Stag Handle $27 00

Half Dozen in a Box

Senator Pattern; Length 3¼ inches; German Silver Flush Bolsters, One Large Spear, Two Small Pens and One File Blade, Full Polished, Brass Linings, German Silver Shield. Weight per Dozen 15½ lbs.

Per Dozen

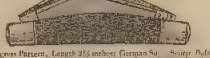
No. B12673—Pearl Handle $40 00



Congress Pattern; Length 3¼ inches; Unpolished Steel Rat Tail Bolsters; One Large Spear, One Tobacco and Two Small Pen Blades Glazed, Brass Linings, No Shield. Weight per Dozen 15 ozs.

Per Dozen

No. B2104—Patent Stag Handle $25 00



Congress Pattern; Length 3¼ inches; German Silver Tipped; One Large Spear, Two Small Pens and One File Blade, Full Polished, Brass Linings, No Shield, German Silver Shield. Weight per Dozen 15 ozs.

Per Dozen

No. B12065—Patent Stag Handle $34 00

Champagne Pattern; Length 3¼ inches; German Silver Flush Bolsters; One Large Spear, One Small Pen and One File Blade, Full Polished, One Worked and One Cork Screw Blade, Brass Linings, German Silver Shield. Weight per Dozen 15 ozs.

Per Dozen

No. B15713 Genuine Stag Handle $46 00

No. B15715 Pearl Handle $70 00

Congress Pattern; Length 4 inches; Polished Steel Rat Tail Bolsters; One Large Congress, Two Small Pens and One File Blade, Glazed, Brass Linings, No Shield. Weight per Dozen 15½ lbs.

Per Dozen

No. B2403—Patent Stag Handle $36 00

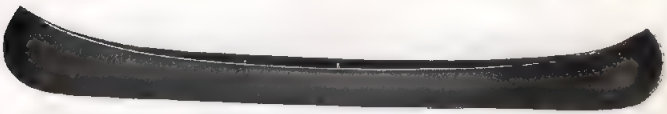
Congress Pattern; Length 3¼ inches; Polished Steel Rat Tail Bolsters; One Large Congress, One Tobacco and Two Small Pen Blades, Glazed, Brass Linings, No Shield. Weight per Dozen 15 ozs.

Per Dozen

No. B2174—Patent Stag Handle $28 00

"Diamond Edge is a Quality Pledge"

E. M. WHITE & CO. CANVAS COVERED CANOES



"WHITE" CONSTRUCTION

The **"White" Canoes** are constructed with canvas cover, cedar ribs and planking, spruce gunwales, white ash or oak stems and thwarts, brass bang plates.

The way the planking is put together, the seams of which are beveled and lapped, makes a perfectly smooth and almost water tight canoe before the canvas is put on. The lapped seams prevent swelling and shrinking of the planking, and sand or gravel cannot work through to the canvas. This method of construction making it the stiffest, strongest and most durable manufactured.

A water-proof coating is put on the wood before the canvas is put on. The canvas is drawn on very tight, making a perfectly uniform surface, which is then filled and rubbed down to a smooth surface. The filling and varnish will withstand salt water. The colors are dark red, green and slate, the latter color being used on guides' canoes. The inside of the canoe is finished in natural wood.

GRADES

Grade "A." Selected cedar ribs and planking, spruce gunwales, white ash or oak stem pieces, thwarts and seat frames, two cane seats, brass bang plates, all of the material of the finest quality and finish possible.

Grade "B." The model of the second grade, also the canvas and paint, is the same as the first grade. The difference is in the weight, which is not quite so light, and in the planking, which is not quite so well matched as to color but for all practical purposes will render as much service as the first grade.

Guides' Canoe. This canoe is planned throughout for hunting and fishing, where a good, strong, serviceable canoe is desired. No money is put into ornamenting. These are carried in stock, painted drab or slate color only.

Guide's models are regularly supplied with stern set only, but caned front seat can be had for $1.50 extra.

"WHITE'S" REGULAR MODELS

	Length	Beam	Depth	Weight	"B"	"A"	Guides
No. **1.**	15 feet	31 in.	11 in.	55 lbs.	**$30.00**	**$35.00**	
" **2.**	16 "	32 "	12 "	60 "	**32.00**	**37.00**	
" **3.**	17 "	33 "	12 "	65 "	**34.00**	**39.00**	
" **4.**	18 "	33 "	12 "	70 "	**36.00**	**41.00**	**$30.00**
" **5.**	18½ "	34 "	12 "	75 "	**37.00**	**42.00**	**30 00**
" **6.**	20 "	36 to 38 "	13 "	95 "	**42.00**	**47.00**	**35.00**

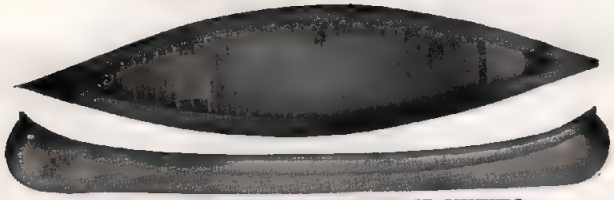
"WHITE'S" SPECIAL MODELS

No. **L1.**	15 foot light weight model, weight 42 lbs.	**$35.00**
" **L2.**	16 " " " " " 52 "	**37.00**
" **AA2.**	16 " mahogany finish, color blue	**39.00**
" **AA3.**	17 " " " " "	**41.00**
" **AA4.**	18 " " " " "	**43.00**

The above are net cash prices F. O. B. our store, packed in burlap or an allowance of 5% will be made for shipment from factory at Old Town, Maine, buyer to pay transportation charges. Crating cost $3.00 at Old Town, or $4.00 at New York.

Keels $1 00 extra. For prices of paddles and equipment see page 69 to 72.

WHITE'S SPONSON CANOES



WITH AIR CHAMBERS TO PREVENT SINKING

For those who desire the extreme of safety in a canoe we suggest a sponson model, a craft which is practically impossible to upset and which even though filled with water will support a heavy weight. The sponsons are long, air chambers attached on the outer sides of the canoe just below the gunwale, and extending from bow to stern. They are not bulky or over conspicuous, and as they follow the lines of the canoe, do not detract from its gracefulness, but add 20 to 25 pounds to the weight. The sponsons do not touch the water unless the canoe is canted, so they do not retard the craft's progress. Rowlocks may be added and the canoe used as a rowboat if desired. These canoes have proved dependable under trying circumstances, but care should be taken to keep the sponson in air-tight condition.

Prices of White's Canoes with Sponsons

No. **2S.**	Length 16	feet	Grade B	*$43.00	Grade A	$48.00
No. **3S.**	Length 17	"	" "	*46.00	" "	51.00
No. **4S.**	Length 18	"	" "	49.00	" "	54.00
No. **6S.**	Length 20	"	" "	57.00	" "	62.00

*We carry in stock 16- and 17-foot, Grade B, Sponson Canoes. Other styles shipped from factory.

"BIG CHIEF" CANOES, $25.00 AND $27.00

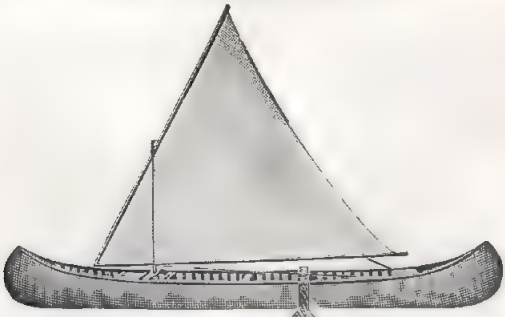
A REMARKABLE CANOE AT A LOW PRICE

The "Big Chief" canoe is thoroughly well made and will give good satisfaction. We are enabled to sell them at so favorable a price on account of contracting for their manufacture in the winter time and buying in very large quantities and limiting the assortment to two lengths and one color.

The planking is all good quality cedar, gunwales one piece of clear spruce, seats at bow and stern of ash, laced with cane, two hand finished thwarts; color, dark green only. Finished with two coats of best shellac inside and out.

No. **C.** 15 foot "Big Chief" canoe, without keel, f. o. b., our store.....$25.00
No. **D.** 16 " " " " with keel, f. o. b., our store..... 27.00

CANOE SAILING OUTFITS



This outfit can be attached with little fitting to practically all makes of canoes, and when not in use can be folded and easily carried in the bottom of canoe. The sail is made of light but strong balloon silk of much better quality than is used in the average sail. The leeboards are fitted with an adjustable cross-arm, attachable to the gunwales by grip bolts. The mast and spars are made of straight grained, well finished spruce and the fittings of brass.

Mast thwart and step.....**$1.00** Leeboard.....**$6.00**
Sail with mast and boom.....**7.00** Complete outfit.....**14.00**

STRAIGHT BLADE OARS

Straight oars, made from white spruce, leathered, coppered and varnished

6½ and 7 feet. Per pair.....**$2.50** 8½ and 9 feet. Per pair.....**$3.25**
7½ and 8 feet. Per pair.....**2.75** 9½ and 10 feet. Per pair.....**3.50**

SPOON OARS

Made from white spruce, coppered, leathered and finished with spar varnish.

6½ and 7 feet. Per pair.....**$3.50** 8½ and 9 feet. Per pair.....**$4.25**
7½ and 8 feet. Per pair.....**3.75** 9½ and 10 feet. Per pair.....**4.75**

DAVIS OAR LOCKS

They screw to side of gunwale and the horns turn down when not in use. Made of galvanized iron and easily applied, so no cutting or boring is necessary.

No. **0.** Size 1¾ inches. Pair. **$ .50** No. **2.** Size 2¼ inches. Pair. **$ .60**
No. **1.** Size 2 inches. Pair. **.55** No. **3.** Size 2½ inches. Pair. **.65**

PETERBOROUGH CANADIAN CANOES

We are special agents for this famous make of all wood canoes and carry in stock in New York the 16-foot length in three grades. This is by far the most popular length, but any length may be had after short delay. Special catalogue upon request. Prices quoted therein are f. o. b. Peterborough. The prices at New York, including payment of freight and duty are 20% higher.

CANOE EQUIPMENT

PADDLES

Our paddles are hand finished by Maine guides, who know what a good paddle is. The "A" quality is the best selection of wood and are given a special fine finish. The "B" quality is not so carefully selected and finished, but will give the same service as grade "A." The "C" quality is partly machine made and occasionally a blemish may mar the appearance only.

No. A. Single paddles, best quality white ash, spruce or maple..... **$1.50**
No. B. Single paddles, good quality white ash, spruce or maple..... **1.25**
No. C. Single paddles, fair quality ash or spruce..... **1.00**
No. D. Double paddles, spruce, with friction joint in centre, straight blades **3.00**
No. **D2.** Double paddles, spruce, with friction joint in centre, spooned blades **5.00**
No. P. Setting poles, iron pick points, best quality..... **1.50**
No. BO. Oar locks, galvanized, screws to gunwale. Per pair..... **1.00**
No. CO. Canoe oar locks outrigged, iron, folding and easily adjusted by thumb-screws to gunwale. Per pair..... **4.00**
No. DC. Drip Cups, rubber, for double paddles, per pair..... **.35**
No. **25.** Sheet Rings for bow, small..... **.25** No. **35.** Large..... **.35**

SEATS, BACK RESTS, Etc.

No. F1. Folding cane chair, finely finished..... **$2.00**
No. F2. Folding slat chair, varnish finish..... **1.00**
No. B1. Back rests, hardwood frame, caned..... **1.50**
No. B2. Back rests, slat, light and good..... **.75**
No. R1. Rowing seat, caned similar to No. F1, without back..... **1.50**
No. M1. Folding cane chair (for motor boat), 12 inches high..... **2.50**
No. H. Spray Hood, for bow, waterproof material..... **3.25**

"Fort Dearborn" Baby Grand Piano

The "Fort Dearborn" Baby Grand Piano is constructed on the most modern and improved lines and has attained a perfection of tonal quality and capacity—a clearness and purity —not found in many of the older makes.

The workmanship is of the highest standard; the architectural design is refined, chaste and imposing; the veneers used are specially selected for their beautiful grains and are finished in their natural colors.

This Grand is finished in Circassian Walnut and Mahogany, in either polished or satin dull finish.

The rim of this Grand case is laminated of the finest quarter-sawed Poplar In other words, the rim is bent of one continuous length of material, laminated, eight-ply, cross-banded and veneered. The back rim is also laminated in the same manner. The braces of the case are of the finest Ash obtainable. Every bit of material in this case is made of the most carefully selected material. The key bottom is an innovation, on account of the assistance that it renders to volume of tone, and is so constructed that it will withstand any atmospheric changes.

The plate of this instrument is made of the best quality bell metal, scientifically proportioned throughout, and beautifully finished. The pin plank consists of 14 layers of quarter-sawed Maple, properly fitted into the plate, bolted and tapped thereto from both sides of the plate, in order to obtain absolute stability. This piano stands in tune like a rock

The sounding board is made of the finest and most carefully selected Spruce, with most carefully selected Spruce ribs, laminated treble and bass bridges.

The action and hammers in this beautiful Grand are all that can be desired. Triple repeating action with immense power, faultless repetition and eminently satisfactory touch The hammers and dampers are of the very finest imported German felt. The very finest quality imported music wire is used.

The tone of this instrument can only be realized by hearing same Experts claim this instrument has one of the finest tonal qualities ever produced. It has great resonance and sustaining power, combined with a superb singing quality of tone, which, under the hands of an artist, arouses the enthusiasm of the listener.

A really exquisite instrument of the highest grade.

Warranted for ten years. Width, 4 feet 8 inches. Length, 5 feet 7½ inches Height, 3 feet 3 inches. Weight, boxed, about 950 pounds.

Sample shipped on 10 days' approval, if desired.

Including cabinet duet bench to match, packed and boxed, on board cars factory Chicago

This Grand is finished in Circassian Walnut and Mahogany, in either polished or satin dull finish.

List Price $1130.00

PIANOS

WE challenge the world to meet our prices on pianos. It is not possible to obtain better value than we offer. We do not depend entirely on the sale of pianos. That's only one of ou many departments Dividing all the expenses of running our business among our various departments, the cost of doing business is scientifically reduced to the lowest possible point. Add to this the fact that we buy for hundreds of piano users on a spot cash basis, therefore at the lowest possible cost, and that we sell these pianos for the same margin of profit ad led to th s cost that we accept on watches, c ocks, jewelry, cut glass, sewing mach nes, etc , and you can easily understand why our prices are **less than half,** in many instances, the amount others ask for pianos of the same grade.

Our pianos are fully warranted agai .at any actual defects in material or construction for ten years. (This does not include tuning.) They are made especially for us by one of the most responsible piano factories in the United States, and we have such absolute confidence in their merits that we place our own trade brand, "Fort Dearborn," on the fall board of each piano, and we stand back of the manufacturer's warranty, and guarantee them to be exactly as represented by us in every particular. Each and every "Fort Dearborn" piano can be depended upon to be **good value.**

We, of course, prefer to sell and recommend our customers to order one of our best grade, finest toned instruments, and we particularly recommend our **Style 26,** our baby grand piano, and our **Style 24** player-piano, all of which are absolutely high grade first-class instruments in every particular

We will be glad to ship a sample of any one of these three high grade instruments on **ten days' approval,** we standing return freight charges (one way) in case of return.

This is a Copy of Our Ten Year Warranty Your Protection.

Piano Registered No. ..... is hereby Guaranteed for the term of TEN YEARS; and should the instrument, with proper use and care, prove defective in material or workmanship (the effect of extreme heat, cold or dampness excepted), we agree to put the same in good repair at our manufactory or replace it with another of the same style.

Style XI Fort Dearborn

Made in Genuine Mahogany and Quartered Oak, Double Veneered.

Tone is of excellent quality, and equal to many higher priced instruments

A very nice low-priced instrument; neat case design; selected figured veneer; double veneered inside and out; automatic duet extension music desk, highly polished, noiseless rolling fall board, nickel plated continuous hinges throughout; pin block made of seven-ply hard rock maple, cross-banded, warranted to withstand any climatic changes; full composite bell metal frame; bushed tuning pins; three strings; overstrung bass, full copper-covered strings in bass; double repeating action; highly finished hammer rail. Three pedals, including the sustaining pedal, which operates the bass dampers; 7 1-3 octaves; best ivorine keys.

FULLY WARRANTED TEN YEARS.

Dimensions—Height, 4 ft. 8 in.; width, 5 ft. 3 in.; depth, 2 ft 2½ in.; weight, boxed for shipment, about 850 lbs.

A Reliable Low-Priced Piano

With nice Stool and Scarf, packed and boxed on board cars factory (near Chicago). List price . . . **$336.95**

Style 3 Fort Dearborn

A Splendid Medium Grade Instrument With a Beautiful Tone Quality.

Case is very handsome, of artistic design, with beautiful hand carvings. Double veneered inside and out, in mahogany, walnut or quarter-sawed oak.

Size: Height, 4 ft. 10 in.; width, 5 ft. 2½ in.; depth, 2 ft. 3 in.; weight, boxed, 850 lbs.

WARRANTED TEN YEARS.

Action: One of the best standard repeating actions; muffler attachment. Full over-strung scale of fine tonal quality. The scale is very evenly balanced, rendering a rich sonorous quality in the bass and a beautiful bell-like treble. German imported white bass string; 13-lb best quality American felt hammers; imported music wire throughout; three pedals; ivory keys, sharps of ebony.

Scale: 7 1-3 octaves. Heavy bell metal plate bronzed.

With nice Stool and Scarf, packed and boxed, on board cars factory (near Chicago). List price . . **$407.75**

"Fort Dearborn" Player-Pianos (88 Note) 7 1-3 Octaves

Play all Standard Music Rolls—15,000 Pieces to Select From.

"Fort Dearborn" 88-Note Player-Pianos can also be played by hand in the customary manner from the keyboard—by merely sliding the small panel, inserting the music roll, and pulling out the pedals, it is ready for use as a player piano. With it, you can accomplish any expression that is obtainable with the hands.

Any man, woman or child, without previous training, with a little practice, can play the world's best music on our Player-Piano. Not merely mechanical music, but music with expression—music with feeling—music with the player's mood—in other words, real music.

General Description

(Style 24)

Plays 88 notes or entire keyboard of the piano. Uses all standard music rolls whether with pin or socket ends. Has solid brass music roll flanges recessed out to receive edges of music sheet when swollen by dampness. This prevents the tearing or wearing of the edges of the sheet.

All the metal parts of the player are of solid brass.

The entire player mechanism is made of solid mahogany thoroughly dried and then preserved, and made permanently air-tight by the forcing of chemical solutions into the parts of the wood.

The tubing (air ducts) is made of METAL instead of rubber used in other makes. These metal tubings are connected from tracker to primary action in an ingenious manner, fully covered by patents, and it is impossible for them ever to become loose.

The valve system (the heart of the player) is so constructed that it is self-adjusting to all conditions that can arise, and this fruitful cause of repairs in other players is entirely absent from ours.

Has the wonderful "Soloist" attachment, controlling the base and treble sections of the piano either individually, altogether, or in any desired combination, giving the performer control over the accompaniment, no matter in what part of the scale it may come or how many notes it may include.

DIMENSIONS.—Height, 4 ft. 7½ in.; width, 5 ft. 2 in.; depth, 2 ft. 4½ in.; weight, boxed for shipment, 900 lbs.

Style 24, Player-Piano.—Genuine figured mahogany case. An absolutely first-class, high grade instrument in every detail, with a specially fine tone quality. Including player bench to match, packed and boxed on board cars factory Chicago. List Price, **$1063.85**

A Good Value

—and—

Satisfactory Instrument

The Pedals in Style 28 fold up, and slide into the case at the bottom, beside the regular piano pedals, and when thus slid in, reveal only their very small ends. These pedals are a great improvement over most others in the matter of ease of operation, and the immense leverage exerted. Their use will not tire even a small child. They have eliminated the item of fatigue from player-pianos.

The Three Buttons, one being sustaining or "loud" pedal, the other two "soft" treble and bass—together with the tempo lever, take care of "tempo" and "intensity"; these are all very accessible to the player and extremely easy to operate. They enable the user, with but very little practice, to render most satisfying and "accented" music with delicacy of expression and nice musical effect.

Height, 4 ft. 3 in.; width, 5 ft 4½ in.; depth, 2 ft 3½ in.; weight, boxed, about 850 lbs.

This little instrument, though small in stature, is a giant in quality. It is but 4½ ft. high (a size that makes a beautifully proportioned instrument). This diminutive size has been attained without making any sacrifice whatever of either the piano movement, player action, tonal quality or volume.

Style 28, Player-Piano.—Made in mahogany, burl walnut and quartered oak. Including player bench to match, packed and boxed, on board cars factory Chicago. List price **$797.95**

"Fort Dearborn" Concert Grand

Style 26—Concert Grand 7⅓ Octaves. The Finest Piano that money and skill can produce

THE CASE: This instrument is a genuine work of art and will add to the beauty of any home. Its massiveness is impressive and stately, while its richness is typified alike by its beautiful hand-carved truss and pilaster caps; by its heavy round corners on the sides, surmounted with appropriate cornice mouldings, and by its harmonious outline in general. Nothing but the choicest, selected veneers of Burl Walnut or Mahogany of superb coloring are used, and the pilasters, trusses and heavy mouldings are veneered to match, as also are the three-inch arms and the toe-blocks which are made of built-up (laminated) stock. The whole instrument is both time and wear-enduring, inside veneered in White Maple. Equipped with Empire top and "Grand" hinges

BACK and frame construction is extremely strong and massive. Has six heavy, straight grained hardwood posts scientifically tapered. Ribs and sounding board of choicest Spruce thoroughly air-seasoned and kiln-dried, the latter being properly crowned to sustain power and pressure of strings to give tone quality; bridges, acoustic rims, pin-block and key-bottom of laminated (built-up) stock, consisting of numerous layers of Rock Maple glued up with grains running at right angles to each other.

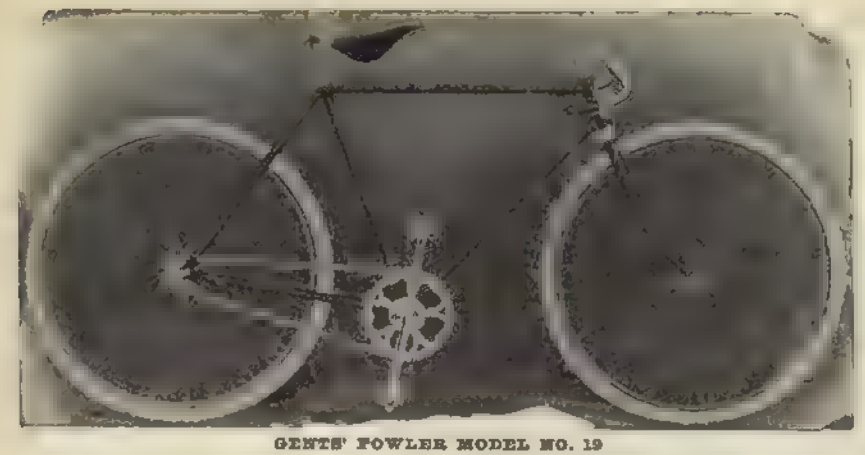
INTERIOR: Full plate of bell metal thoroughly bronzed, beautifully finished; bushed tuning pins; fourteen pound hammers; selected ivory keys; triple repeating brass flange action; copper-wound bass strings of best German quality; music wire best imported stock; absolutely noiseless metal trap-work; three pedals; full over-strung scale, seven and one-third octaves. Has a powerful, rich and sonorous tone of great sweetness. The touch is perfect—very light and responsive.

Warranted for ten years. Height, 4 feet 10 inches. Width, 5 feet 4½ inches. Depth, 2 feet 3½ inches Weight boxed, about 900 pounds.

An absolutely high-grade, first-class piano in every particular, with a remarkably fine tone quality.

Including cabinet duet bench and scarf, packed and boxed, on board cars factory near Chicago.

Furnished in Burl Walnut or Mahogany **List Price $585.25**



GENTS' FOWLER MODEL NO. 19

Celebrated and Renowned "Fowler" Bicycles

The "FOWLER"

The best, most durable, well constructed, most popular and satisfactory bicycle on the market.

YOU CAN MAKE MONEY

Not by buying cheap bicycles, but by getting good salable bicycles [illegible] the following "Fowler" bicycles, which are **strictly guaranteed**, at an exceptional low price. The best of material and workmanship is employed in their construction

Nos. 19 and 20 are strictly high-grade 1915 models, wheels, with life-long bearings. Our immense contract for wheels for the coming season enables us to sell you the best wheel on the market at second quality price

Gents' Fowler No. 19 Model. Each..... $[illegible]
Ladies' Fowler No. 20 Model. Each..... 54 85

GENTS' FOWLER NO. 17 MODEL

Equipped same as Model No. 19, excepting frame specifications are 1¼ in. by 22-gauge tubing, in 21 inch and 23 inch heights only. Flush joints, ¾-inch rear stays, rear forks ¾-inch oval

Gents' Fowler No. 17 Model. Each.....$55.25

SPECIFICATIONS

Frame—Height 20 and 22 inches. Main frame tubes Shelby seamless one-inch 19-gauge tubing. One-piece head, with long tapered reinforcements. Upper rear stays ⅝-inch oval, lower rear forks ¾ inch round to oval. Drop forged, flat front sides

Finish—Plain black, hand rubbed and hard polished or with blue bead

Hanger—Fauber one-piece, with crown sprockets, diamond shape cranks, 7-inch.

Hubs—Turned from the bar. Dust proof.

Rims—Lock joint, enameled to match frame.

Chain—Genuine Baldwin detachable, 3/16-inch or diamond B block.

Tool Bag—Bag complete with tools.

Gears—Sprockets, 24 or 26 front, and 8 and 9 rear.

Frame, 24 inch; finish, blue, maroon or Brewster green

Tires—Morgan & Wright double tube, 1½-inch, or Goodrich No. 17 single tube

Handle Bar—Chicago 2½-inch extension

Pedals—B. G. I

Saddle—Persons suspension or Troxel paddle.

In General—Tread 4½ inches, drop in hanger 2½ inches, handle bar stem ⅞ inch, seat post 15/16 inch diameter, Hubs ball bearing. Heads 4⅝, 6⅝ and 8⅝ inches, with ½ inch tube.

G. & J. Double Clincher Tires furnished on Models 17, 19 and 20, extra. List per pair ..... $[illegible]

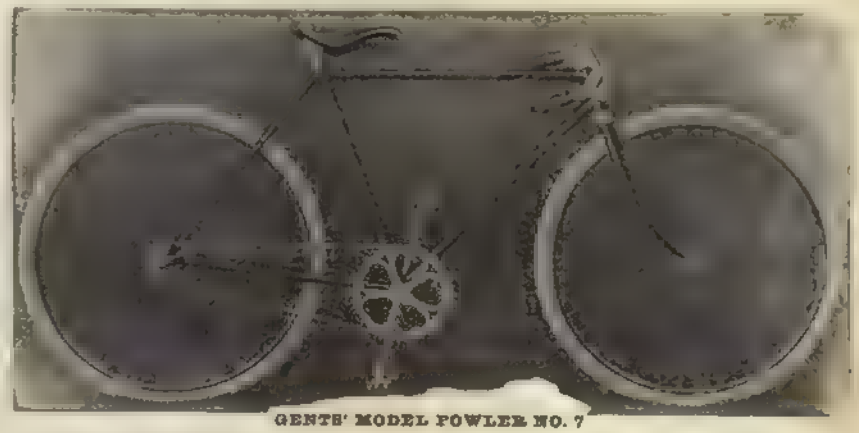
Corbin or New Departure Coaster Brake also furnished. List extra, each 11.35

The Best Medium Priced Wheel which You can Rest assured is Worth Buying

The "Fowler" Nos. 7 and 8 are guaranteed throughout, exceedingly well built and up-to-date [illegible] which [illegible] only be compared with the highest grade 1915 Model

We recommend this wheel for service and its known satisfaction is unparalleled

Gents' Fowler No. 7 Model. Each.....$50 50
Ladies' Fowler No. 8 Model. Each..... 54 00



GENTS' MODEL FOWLER NO. 7

SPECIFICATIONS

Frame—Heights 21 and 23 inches. Main frame tubes Shelby seamless tubing, one and one-eighth inches, 22 gauge. One-piece head, with long tapered reinforcements. Drop forged, flat square, front fork crown nickel-plated, with extra strong fork sides.

Finish—Plain black

Hanger—Fauber one-piece, one piece round cranks 7 inch.

Hubs—[illegible] M. & W. turned from the bar.

Rims—Enameled to match frame

Chain—Inclosing, 3/16 block

Gears—[illegible] 22, 24 or 26 front, and 8 and 9 rear, [illegible] regular Ladies' 26 front and rear

Tires—M. & W. Non-Parell single tube, 1¼ inches, guaranteed to hold air on receipt

Handle Bar—Perfection adjustable

Pedals—B. G. I

Saddle—Padded

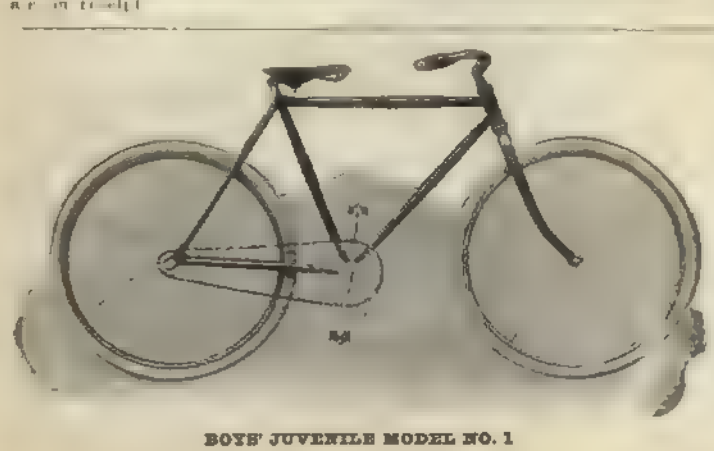
In General—Tread 4½ inches, drop in hanger 2½ inches, handle bar stem ⅞ inch. Seat post 15/16 inch diameter

Tool Bag—Bag complete with tools.

Option—Finish, blue, maroon or olive green

Ladies' Fowler No. 8 Model is equipped same as Gents' Model No. 7 excepting that it has ladies' saddle and dress guard, steel [illegible] and wheel guard, and rubber combination pedals.

Morgan & Wright tires. Per pair.....$ 5 00 List extra
G. & J. Double Clincher tires. Per pair ... 6 50 List extra
Corbin or New Departure coaster brakes ... 11 35 List extra



BOYS' JUVENILE MODEL NO. 1

BOYS' JUVENILES

No. 1. Frame, 16 inch, 24-inch wheels with M. & W. tires. [illegible] $4[illegible]
No. 1N With Non-Parell tires. Each 41
No. 3. Frame, 18-inch, 26-inch wheels, with M. & W. tires. Each ..... 44 [illegible]
No. 3N. With Non-Parell tires. Each 43 25

GIRLS' JUVENILES

Equipped same as Boys' Juvenile, only that it has Ladies' saddle and dress guard, steel chain guard and wheel guard and rubber combination pedals

No. 2. Frame, 16-inch, 24-inch wheels, with M. & W. tires. Each..$4[illegible] 25
No. 2N With Non-Parell tires. Each 41 75
No. 4. Frame, 18-inch, 26-inch wheels, with M. & W. tires. Each.. 48 0[illegible]
No. 4N With Non-Parell tires. Each 43.25

SPECIFICATIONS

Frames—Shelby seamless tubing. Main tubes 1 inch. Rear forks and stays ⅝ inch, special design crown

Colors—Black or blue with red bead.

Hubs—Rubber one piece

Cranks—7 inch

Gears—[illegible]

Tires—Morgan & Wright double tube, fully guaranteed, or U. S. Non-Parell [illegible] guaranteed to hold air on receipt

[illegible] combination rubber

Saddle—[illegible]

Handle Bar—Adjustable.

OPTION

Finish—Maroon, blue, Brewster green.

Corbin Coaster Brake, extra. List $11 35

Our Improved Peerless Sewing Machines

Peerless Sewing Machines

Are the simplest and the best in the world for the price. The factory in which they are made is equipped with the most modern machinery adapted to the purpose. The mechanics are all skilled in this particular line of work. The material is high grade and selected with great care. Every part is carefully inspected to see that it is perfect and each machine is thoroughly tested before being shipped to our customers. They are high grade machines, built to satisfy the most particular people. They have a full high arm, are the swiftest and lightest running machines and have the fewest number of parts of any on the market. They combine simplicity, durability, reliability, speed, strength and beauty and are unequaled for ease of management and wide range of work. They are adapted to every variety of sewing from the lightest muslin to the heaviest cloth. They are unequaled for hemming, feeling, binding, tucking, ruffling, gathering, hemstitching, seaming, etc. **In fact, they are a first-class machine in every way adapted to do the best kind of work.**

Quality---First Consideration

In offering our Improved Peerless Sewing machine we have not tried to offer the cheapest machine on earth, but rather our constant aim has been to give the greatest value, the highest quality and the best machine it is possible to produce. We know there are machines on the market that are offered for ridiculously low prices, but it is like throwing money away to purchase such machines. There is a certain price below which it is impossible to sell a first-class machine and in selecting our line of machines we have aimed to furnish only such machines as are sure to give satisfaction in service. A sewing machine if properly cared for should last a most a lifetime, and it is always cheaper to pay a little more and get a strictly high grade machine that is warranted and thoroughly reliable machine than to try to save a few dollars on the first cost by purchasing a machine offered at a ridiculously low price, and which must necessarily be made from cheap material and by unskilled hands in order to make the price so low.

Our Low Price

Is made possible by the fact that we contract for such large quantities that the cost to us is reduced to the minimum. We buy them direct from the factory. There is no middleman's profit and we buy in such large quantities that the manufacturers are satisfied with a small profit on each machine. We employ no agent and we sell the machines direct to you at factory cost with only our one small profit added. There is no jobber, wholesaler or agent's commissions to be paid by the purchaser. You get one hundred cents worth of machine for every dollar you pay us. We ship the machine direct to you from the factory near Chicago so there is no extra freight, cartage or handling expense to add to the original factory cost. You pay only our one small profit above the actual factory cost.

Easy to Operate

We claim that our Improved Peerless Machines contain fewer parts, are of simpler construction and less liable to get out of order than any other household sewing machine. They are easy to operate, light running and so simple in construction that anyone with ordinary intelligence can operate one. With each machine we furnish a complete instruction book, free of charge. This book is printed in five different languages and shows the working parts of the machine in detail with full and complete instructions of how to operate and care for the machine. The language is simple and easily understood. Anyone who follows the simple instructions given in this book will have no difficulty in operating our machines and obtaining the very best results on all kinds of material.

Prompt Shipment---Safe Delivery

Our facilities for prompt shipment enables us to give you good service, and each machine is carefully wrapped and crated and delivered on board the cars at our warehouses in Chicago or the factory, just a few miles away, in perfect condition. Each machine is so carefully packed that there is little chance for damage in transit. Examine the machine when it reaches the depot, and if at all damaged, get the freight agent to note such damage on your freight expense bill. Then send the freight bill to us and we will send you the necessary parts free of charge, or a new machine if the first one is damaged beyond reasonable repair. Our machines seldom get damaged in transit.

Remember

To consider quality of material and construction when comparing our machines with others. Only the best material and most skilled workmanship enter into the construction of our machines, and each machine is guaranteed for ten years. Is it clear to you now how we can furnish really high grade machines at the prices we quote?

Our Ten Year Guarantee

We not only claim to have the best Sewing Machine in the world, but substantiate our claim by fully guaranteeing each Sewing Machine, agreeing to duplicate any part that proves defective in ten years free of charge (shuttles, needles and bobbins excepted), thereby proving conclusively our confidence in the Improved Peerless Sewing Machine. Natural wear and tear on any of the parts is not considered as a defect in material or workmanship. As the material entering into our machines is first-class and carefully selected they will outwear many machines sold through agents at from fifty to one hundred per cent more than we charge.

Special Attachments Free

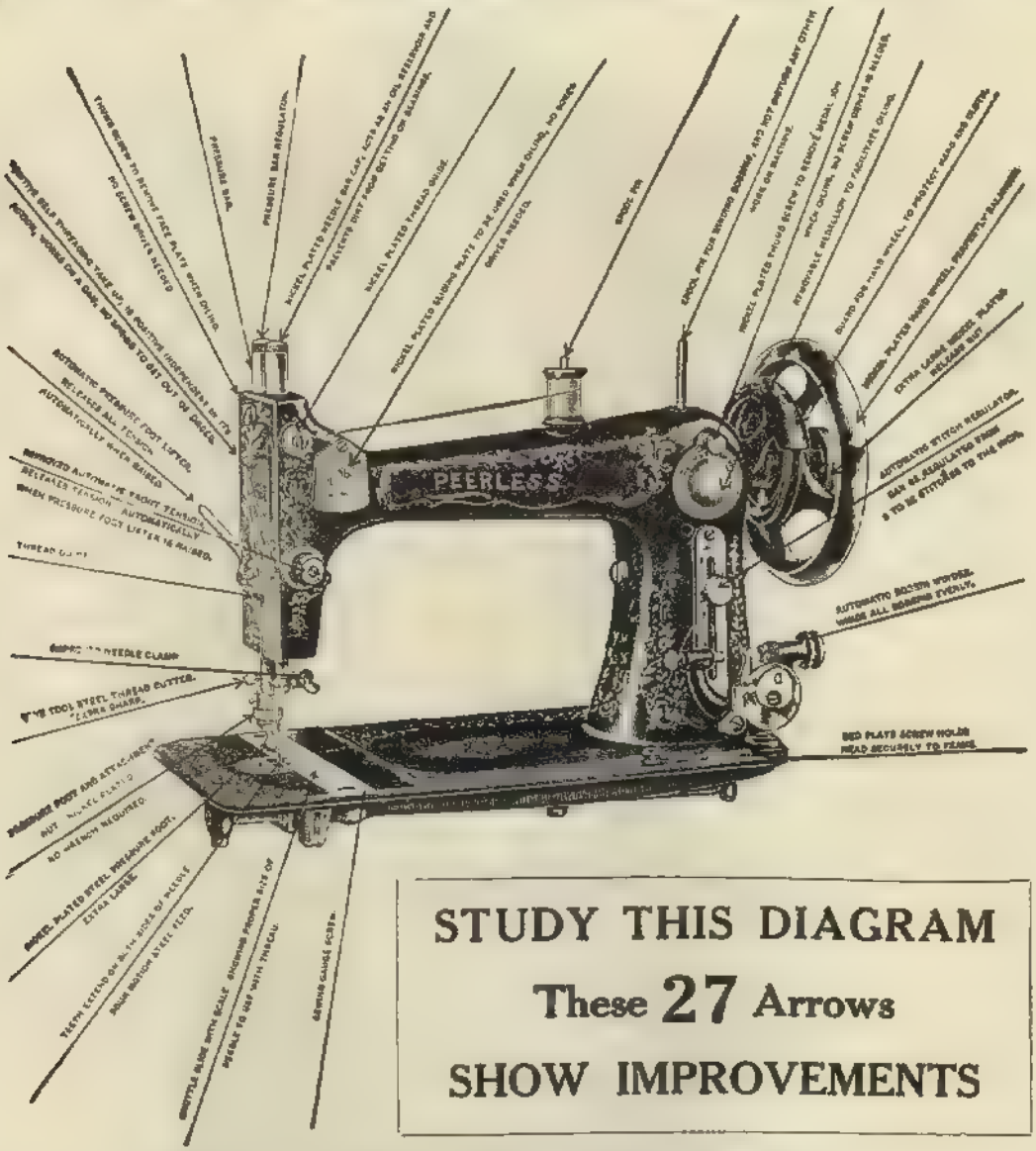
In Beautiful Velvet Lined Enameled Metal Case

On this page we show the special attachments we furnish free with our Improved Peerless Machines. They are warranted steel, highly nickel plated and superior to any other make. The full set consists of the following: Ruffler, tucker, binder, underbraider, shirring plate, 5 hemmers, different widths, special attachment foot and 1 quilter.

Above cut shows all the special attachments in the velvet lined metal case, just as furnished

This is the Standard Peerless "B" Head

THAT HAS WON PRE-EMINENCE



STUDY THIS DIAGRAM

These 27 Arrows

SHOW IMPROVEMENTS

Winning Features of the Peerless "B" Head

HIGH-ARM—Largest obtainable in any family sewing machine. Permits easy handling of bulkiest materials.

CAPPED NEEDLE-BAR AND PRESSER-FOOT-BAR—This protection insures cleanliness. Both bars the most accurate in stroke of any made.

FOUR-MOTION FEED—Extends to both sides of needle. Absolutely positive and regulated for length of stitch by "plain-figure gauge at right."

SIDE DISC TENSION—Delicate, adaptable, simple.

AUTOMATIC TENSION RELEASE Lifting the presser-foot removes all tension from thread, so that thread cannot break or strain needle as work is removed

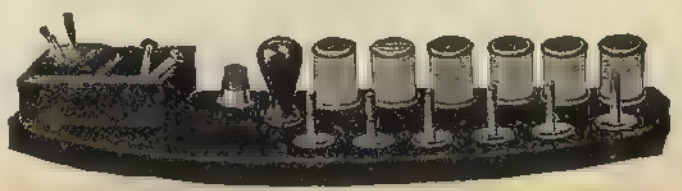
POSITIVE TAKE-UP—Operated by a cam, not by a spring. Self threading; controls perfectly any size or kind of thread.

AUTOMATIC BOBBIN-WINDER Winds bobbin as evenly as a spool of thread, and without attention. Presser-foot and needle-bar stand quiet while bobbin is winding No need to remove work from machine while winding bobbins. Extra spool pin for bobbin winding.

SELF-THREADING SHUTTLE Cylindrical, spring tension, needing little adjustment. No latch to open; no hole to thread through. Steel of highest temper; takes extra large bobbin; will last a lifetime.

With Styles 29 and 29½ Peerless "B" We Furnish Free This Patent Spool Tray

The accompanying cut illustrates our **new spool tray.** Every woman using a sewing machine will readily appreciate this convenience. It is made of hard wood, covered with blue velveteen. The spool pins are nickel plated and will hold twelve spools of thread. It has a box for buttons and bobbins, a thimble holder, needle and pin cushion, and ebony handle to remove it from the machine if necessary. It is universally conceded to be one of the **most practical improvements** ever put on a sewing machine. This tray can only be found with the Peerless "B" Styles 29 and 29½ Machines. It is made to fit the drawers of these styles only.



Peerless Top Tension Construction

Only the Best Materials and Most Skilled Workmanship Enter into These Machines

Almost any machine may present an attractive outward appearance, but the real test is in the service given by constant everyday use. The machine with defective material or interior workmanship soon tries the patience of the operator, while the machine made of reliable and tested material by the skilled hands of mechanics who are experts in this particular line, is a constant source of joy and satisfaction to the operator.

The Head

is the all important part of any sewing machine, and the large illustration herein shown gives a good idea of the simplicity of construction of our **Improved New Peerless Sewing Machine** head. There are very few working parts, thus reducing the chances of machine getting out of order. **The Bearings** are of best crucible steel, highly tempered and polished, accurately adjusted, and provided with take-up devices so that they may be tightened in years to come to take up all lost motion caused by wear. **Ball Bearings** are provided in the more important bearings, as shown in the illustration, making it the easiest running head on the market today. The main shaft is polished, case hardened steel, with a double eccentric cam which operates both feed and shuttle mechanism

Important Features

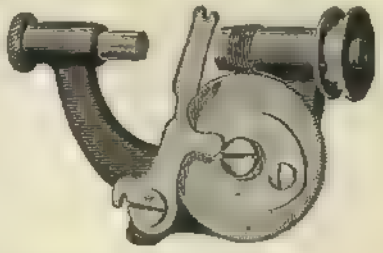
In Improved Peerless Machines shown on the following pages are the positive double tension, insuring a firm, well made stitch of uniform size, the stitch regulator, which enables the operator to regulate the number of stitches to the inch, with the utmost exactness, for coarse or fine goods; the automatic bobbin winder, and the self threading cylinder shuttle.

The Finish

The head is made of the best material, heavily enameled with seven coats of the best French enamel baked on It is hand polished, and presents a smooth, handsome surface The polished steel face plate is heavily nickel plated, as is also the tension plate, automatic bobbin winder, medallion and hand wheel. The needle bar is of bright polished steel. Taken altogether, it is one of the handsomest and best sewing machine heads in use.

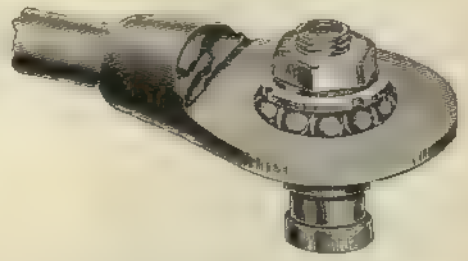
Self-Threading Shuttle

is another advantage and convenience of our Improved Peerless Machines. The shuttle is a perfect cylinder steel shuttle, open at one end to admit the bobbin, easy to put in and easily removed. There are no catches or latches to open or close, no spring to bother with, no holes for threading to try your patience. It threads itself and has an even, perfect tension.



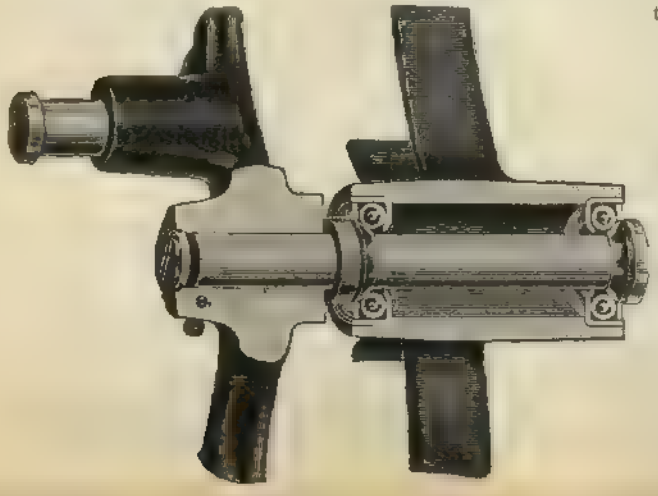
Automatic Bobbin Winder

Each of our Improved Peerless Machines is provided with our automatic bobbin winder, a device that saves much time, and insures the bobbin being smoothly and evenly wound It is so simple a child can use it and contains so few parts that it is almost impossible to get out of order It is easily swung round so that it does not run when not winding a bobbin, thus preventing unnecessary wear. The patent automatic guide attachment prevents the thread from running over the ends of the bobbin, and winds the thread evenly.



Ball Bearing Steel Pitman

Another strong feature of the Improved Peerless is the steel pitman with full ball bearing heads at both top and bottom. The larger illustration here shows a sectional view of the pitman head, with part of head cut away to show position and arrangement of the ball bearing The illustration to the right shows both ends of pitman, both of which are full ball bearing With case hardened ball bearing in pitman, balance wheel and head, the Improved Peerless is the quietest, easiest running, easiest operated, and best sewing machine made, regardless of price. It is as nearly perfect as it is possible to make a machine and every part is carefully tested by experts at the factory before and after assembling so that you are sure to get a perfect working machine.



Balance Wheel Bearings

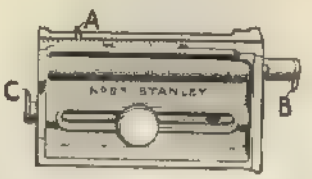
Particular attention has been given to the bearings in our balance wheel. Unlike most machines the balance wheel itself does not revolve around a shaft, but a specially constructed shaft is securely fastened in the balance wheel and the shaft revolves on ball bearings accurately fitted in the stand, as shown in the illustration on the left. Adjustable steel cones are provided for taking up any play or looseness. The extra long bearing points prevent wobbling of the balance wheel and make it the easiest running machine ever built.

GAUGES

BUTT GAUGE

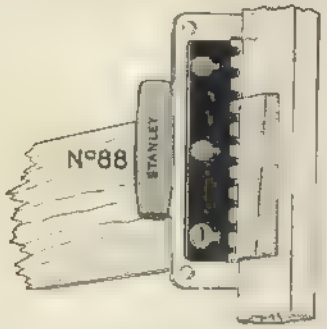
No. 94 Iron body, steel bars, nickel plated, weight per dozen 8 pounds, per dozen..... .....$12.00

BUTT GAUGE



No. 95 Iron body, steel bars, nickel plated, weight per dozen 6 pounds, per dozen.. ... ...$9 00

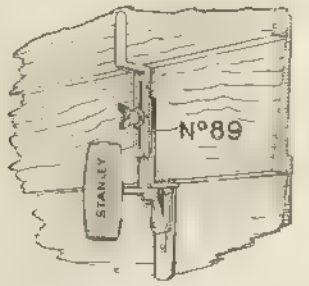
CLAPBOARD SIDING MARKER



This tool can be used with one hand, while the other is employed in holding a clapboard in position. The marking blade is easily adjusted to any thickness of clapboard or siding. The sharp edges of the teeth are just parallel with the legs when in position to mark. By moving the tool half an inch it will mark a full line across the clapboard, exactly over and conforming to the edge of the corner board.

No. 88 8¾ inches long, 4 inches wide, adjustable blade, weight per dozen 10½ pounds, per dozen.....$6.00

CLAPBOARD SIDING GAUGE



Two thin steel blades, which form a part of the base of the tool, will slide under the last clapboard already laid. When the bottom of the gauge is held firmly to the lower edge of the clapboard, press the handle over sidewise, and this will force another thin blade down into the next lower clapboard, rendering the tool immovable. The clapboard can be held any width to the weather by the graduated scale on the tool. After the tool is released the mark left is so slight that painting alone will fill it.

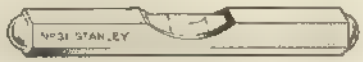
No. 89 8¾ inches long, 2½ inches wide, weight per dozen 21 pounds, per dozen.....$6.00

IRON PLUMBS AND LEVELS

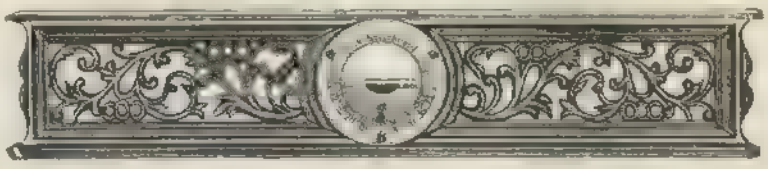
Length, inches	6	9	12	18	24
Weight each, pounds	⅝	1¼	1⅞	3	4¾
No. 36 Japanned, nickel trimmings, per dozen	$15.00	18 00	21.00	24.00	27.00

This level can be readily attached to any straightedge or carpenter's square.

No. 40 3¼ inches long, japanned iron body and top plate, weight per dozen 1⅝ pounds, per dozen.....$1 60



Length, inches	2½	3	3½
Weight per dozen, pounds	½	1	1⅛
No. 31 Nickel plated, per dozen	$4 20	5.10	6.00

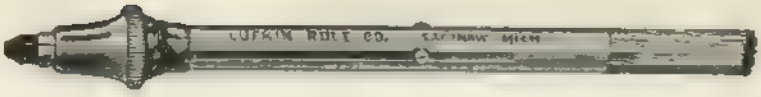


No. 1 Davis' Machinists' Iron Plumb, Level and Inclinometer, length 7 inches, weight each 1½ pounds. .. . . each, **$4.00**
No. 2 Davis' Machinists' Iron Plumb, Level and Inclinometer, length 12 inches, weight each 2 pounds .. each, **5.00**
No. 3 Davis' Machinists' Iron Plumb, Level and Inclinometer, length 18 inches, weight each 3¾ pounds . . each, **6.00**

LEVEL GLASSES

Length, inches	1¼	2	2½	3
Weight per gross, pounds	3	5	6	7
Per gross	$14.40	14.40	14.40	21.60

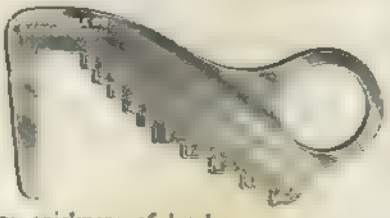
MARKING STICKS



Adapted to all regular lumber crayons, nickel plated.

With 30 inch hickory handle, per dozen $18.00

LUMBER GAUGES



For measuring thickness of lumber.

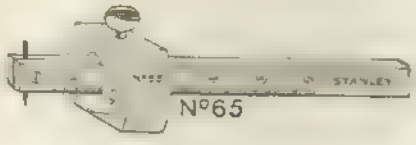
No. 0 1, 1 1 1¼, 2 inches, per dozen $6 00
No. 00 ⅜, ½, ⅝, ¾, ⅞, 1, 1¼, 1½, 1¾, 2 inches, per dozen 6 00
No. 000 ⅝, ¾, 1 1¼ 2, 2½ inches, per dozen 4 50

MARKING GAUGES

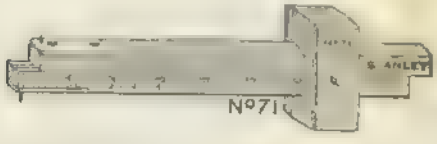
Single bar 6¼ inches long graduated in 16ths to an inch for 5 inches.
No. 97 Pin point and roller cutter, weight per dozen 6 pounds, per dozen.....$5.64

Double bar, 6 inches long graduated in 16ths to an inch for 5 inches.
No. 98 Pin points and roller cutter, weight per dozen 8 pounds, per dozen.....$8 76

No. 61 Beech, boxwood screw, square head, weight per dozen 2⅞ pounds, per dozen.. $0 95
No. 62 Beech, boxwood screw, square head, weight per dozen 2⅝ pounds, per dozen.. 3 80

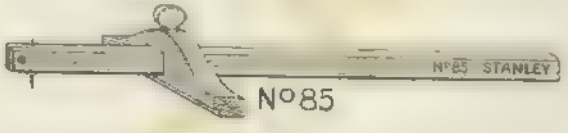


No. 65 Boxwood brass screw, square head face plates, weight per dozen 2 pounds per dozen $4 20



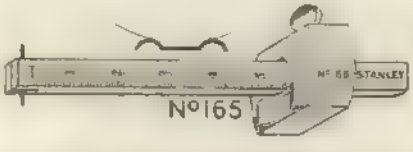
No. 71 Double bar, beech, brass screw, head plated, weight per dozen 2⅛ pounds, per dozen $4.80

No. 77 Slide gauge, rosewood, brass slide, screw adjustment, face plates, weight per dozen 2½ pounds. Per dozen $7 20



No. 85 Panel gauge, beechwood 10 inches long, adjustable points, weight per dozen 5 pounds, per dozen...$3.00

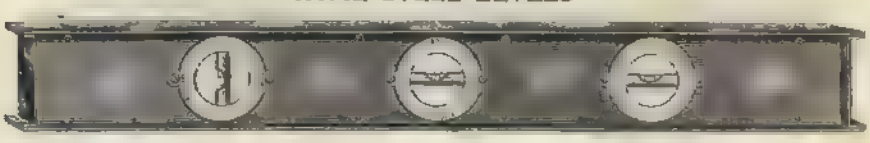
No. 92 Butt gauge, rosewood head, brass slide, screw adjustment, weight per dozen 9 pounds, per dozen....$15.00



No. 162 With circular face plate beech boxwood screw, square head weight per dozen 1¾ pounds per dozen $2 80
No. 165 With circular face plate boxwood, brass screw, square head face plate, weight per dozen 2 pounds per dozen 5.20

LEVELS

ACME STEEL LEVELS



This Level is made of cold rolled steel, the web is oxidized and the frame nickel plated and nicely finished and will not rust nor warp. The finish is almost indestructible. They are provided with vials set in metal tubes, nickel plated, which are securely fastened to vial rings made of brass and nicely finished. The ring is set in a metal casing which is fastened to the steel stock in such a manner as to allow the vial ring carrying the vial to rotate to any position desired thus allowing easy and accurate adjustment of either of the vials. It is fastened where desired by the two small screws. One of the vial rings is graduated, one half of it in degrees, and the other half into one inch rise per foot.

No. 1 24, 26 and 28 inches long with three vials..... each, **$3.50**

Weight each 24 inch 2½ pounds, 26 inch 2⅝ pounds, 28 inch 2¾ pounds

No. 3

No. 4

Same finish as No. 1. In No. 3 the vials are securely put into steel tubes nickel plated. The Plumb has good facilities for adjustment. There is a degree scale stamped into the web of the stock adjacent to the vial tube end of the tube carrying the level vial, and when the level is adjusted a fine line is made on the bevel end of the tube to correspond with the zero line in the graduation. This tube can rise on the scale from level to 50 degrees and will be found useful to all kinds of mechanics. No 4 has an extra level that is intended to be kept permanently set.

No. 3 14, 16 and 18 inches long.. each, **$2.00**
No. 4 20, 22 and 24 inches long..... each, **3.00**

Weight each 20 inch 2 pounds, 22 inch 2¼ pounds, 24 inch 2½ pounds.

No. 5 Mason's Level

Same finish as No. 1 has two plumbs, one level and one inclinometer. It is about the same weight but far more durable than a wood level of the same length.

No. 5 48 inches long, weight 4 pounds ..... each, **$5.00**

STANLEY BIT AND SQUARE LEVEL

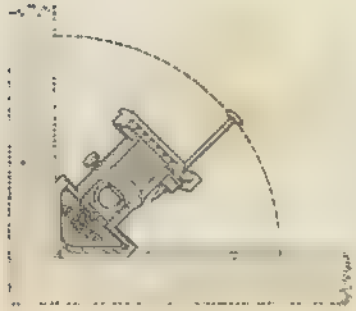
This tool has three pairs of V slots on its back edges. The shank of a bit will rest in these slots, either vertical or at an angle of 45 degrees, and boring can be done with perfect accuracy. It can also be attached to a carpenter's square making it an accurate plumb or level.

No. 44 Bit and Square Level, brass frame, weight each 2 ounces, each $0.30

STANLEY LEVEL SIGHTS

By the use of these ingenious devices, which can be attached to any level the owner has a convenient and accurate means for leveling from one given point to another, at a long distance away. When not in use the Level Sights are easily detached, and can be packed away in a small space for future use.

No. 1 Level Sights for wood levels, japanned, weight per pair ¾ pound, per pair..... $0.75
No. 2 Level Sights for iron levels, japanned, weight per pair ¾ pound, per pair..... .75

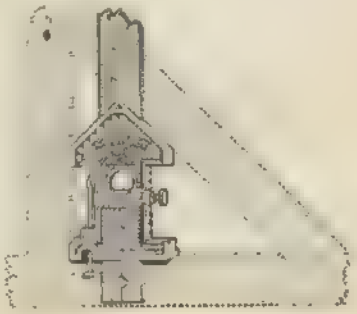


STANLEY "ODD JOBS"

This tool is well named, as with its use the owner can do all ordinary jobs with the addition of only a saw, a hammer and a plane.

It combines a level, plumb, try square, mitre square, bevel, scratch awl, depth gauge, marking gauge, mitre gauge, beam compass and a one foot rule. The rule is graduated in 16ths of inches. All parts of the tool are carefully machined so that in using same for any purpose where any of the above mentioned tools are required, sufficient accuracy may be obtained for all practical purposes. This unique tool is already favorably known to mechanics, amateurs and housekeepers.

No. 1 "Odd Jobs," 4 inches long, nickel plated, weight each ⅝ pound, each $0.75



STANLEY LEVELS

Non Adjustable, Polished Hardwood Stock, Brass Top Plate, Handy Grip Feature

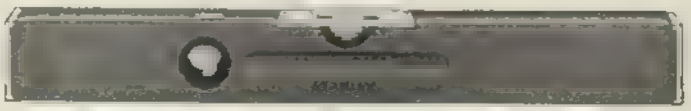
No. 102 Four lengths assorted, 10, 12, 14, 16 inch, weight per dozen 11 pounds.. . per dozen, $4.80
No. 103 Four lengths assorted, 18, 20, 22, 24 inch, weight per dozen 23 pounds.. . .per dozen, 6.00

One dozen in a box

Non Adjustable, Polished Hardwood Stock, Brass Top Plate, Plumb and Level, Handy Grip Feature

No. 00 Four lengths assorted, 18, 20, 22, 24 inch, weight per dozen 33 pounds per dozen $8 40
No. 0 Four lengths assorted, 24, 26, 28, 30 inch, weight per dozen 40 pounds per dozen 9 60

One half dozen in a box



Adjustable, Polished Hardwood Stock, Brass Top Plate, Plumb and Level, Handy Grip Feature

No. 1X Plain, four lengths assorted, 24, 26, 28, 30 inch, weight per dozen 35 pounds.....per dozen, $11.40
No. 3 Brass tips, four lengths assorted, 24, 26, 28, 30 inch, weight per dozen 44 pounds per dozen 15 00
No. 5 Brass tips, brass lips, four lengths assorted, 24, 26, 28, 30 inch, weight per dozen 48 pounds per dozen 16 80

One half dozen in a box

Duplex Adjustable, Polished Hardwood Stock, Brass Top Plate, Two Plumbs and Level, Handy Grip Feature

No. 30 Brass tips and side views, four lengths assorted, 24, 26, 28, 30 inch, weight per dozen 48 pounds .....per dozen, $18.00

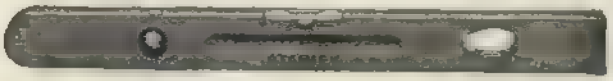
One half dozen in a box

Duplex Adjustable, Polished Mahogany Stock, Brass Top Plate, Two Plumbs and Level, Handy Grip Feature

No. 25 Brass tips, lips and side views, four lengths assorted, 24, 26, 28, 30 inch, weight per dozen 44 pounds.....per dozen, $24 00

One half dozen in a box

MASON LEVELS



Combined Plumb Rules and Levels, Soft Wood Stock, Brass Top Plates, Handy Grip Feature

No. 35 One adjustable Plumb Level and opening for Plumb Rule, brass tips and side views, 1¼x3⅜ inch stock, length 42 inches, weight per dozen 64 pounds, per dozen.....$21.00

One half dozen in a box

No. 45 Two adjustable Plumbs, Level and two openings for Plumb Rules, brass tips and side views, 1¼x3⅜ inch stock, length 48 inches, weight per dozen 80 pounds, per dozen..... $36 00

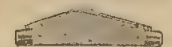
One half dozen in a box

POCKET KNIVES

"J. KOESTER'S SONS, GERMANY"

High Grade Imported English Steel Blades, Ground to a Fine Cutting Edge, Perfectly Fitted and Beautifully Finished by Skilled Workmen. Free from Flaws and Imperfections. FULLY GUARANTEED

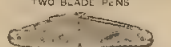
TWO BLADE PENS



Sheep's Foot Pattern, Length 3 inches, German Silver Tipped. One Large Spear and One Small Pen Blade, Full Polished, Brass Lining, Milled, German Silver Shield, Weight per Dozen 8 ozs.

Per Dozen

No. C3096P Pearl . . . $9 50



Congress Serpentine Pattern, Length 3 inches, German Silver Tipped. One Large Spear and One Small Pen Blade, Full Polished, Brass Lining, Milled, German Silver Shield, Weight per Dozen 8 ozs.

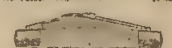
Per Dozen

No. C3097P . . . $10 00

Serpentine Pattern, Length 3 inches, German Silver Tipped. One Large Spear and One Small Pen Blade, Full Polished, Brass Lining, Milled, German Silver Shield, Weight per Dozen 8 ozs.

Per Dozen

No. C3093P Pearl . . . $13 00



Sheep's Foot Pattern, Length 3 inches, German Silver Bolsters. One Large Spear and One Small Pen Blade, Full Polished, Brass Lining, Milled, Weight per Dozen 8 ozs.

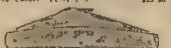
Per Dozen

No. C3094P Pearl Handle . . . $9 50

Senator Pattern, Length 3 inches, German Silver Bolsters. One Large Spear and One Small Pen Blade, Full Polished, Brass Lining, Milled, Weight per Dozen 8 ozs.

Per Dozen

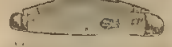
No. C3095P—Pearl Handle . . . $13 00



Congress Pattern, Length 3 inches, German Silver Tipped. One Large Spear and One Small Pen Blade, Full Polished, Brass Lining, Milled, German Silver Shield, Weight per Dozen 8 ozs.

Per Dozen

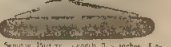
No. C3098P—Pearl Handle . . . $18 00



Senator Pattern, Length 3 inches, Unstamped. One Large Spear and One Small Pen Blade, Full Polished, Unlined. No Shield, Weight per Dozen 10 ozs.

Per Dozen

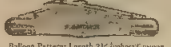
No. C3092P Pearl Handle . . . $14 00



Senator Pattern, Length 3 inches, Unstamped. One Large Spear and One Small Pen Blade, Full Polished, Unlined. No Shield, Weight per Dozen 10 ozs.

Per Dozen

No. C3096GM Gun Metal Handle . . . $8 00



Balloon Pattern, Length 3½ inches, German Silver Bolsters. One Large Spear and One Small Pen Blade, Full Polished, Brass Lining, Milled, German Silver Shield, Weight per Dozen 10 ozs.

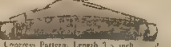
Per Dozen

No. C3097P—Pearl Handle . . . $12 00

Congress Pattern, Length 3¼ inches, Unstamped. One Large Spear and One Small Pen Blade, Full Polished, Brass Lining, No Shield, Weight per Dozen 10 ozs.

Per Dozen

No. C3091P Pearl . . . $4 00

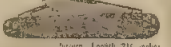


Congress Pattern, Length 3¼ inches, Unstamped. One Large Spear and One Small Pen Blade, Full Polished, Brass Lining, No Shield, Weight per Dozen 10 ozs.

Per Dozen

No. C3091GM—Gun Metal Handle . . . $4 00

No. C3091P—Pearl . . . $7 00

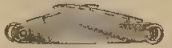


Pattern, Length 3½ inches, German Silver Tipped. One Large Spear and One Small Pen Blade, Full Polished, Brass Lining, Milled, German Silver Shield, Weight per Dozen 10 ozs.

Per Dozen

No. C3093GM—Gun Metal Handle . . . $8 00

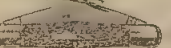
No. C3093P—Pearl . . . $13 00



Opener Scissor Pattern. Length 3½ inches, Unstamped. One Large Spear and One Small Pen Blade, Full Polished, Unlined. No Shield.

Per Dozen

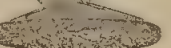
No. C3001N German Silver Handle . . . $11 00



Balloon Pattern, Length 3½ inches, German Silver Bolsters. One Large Spear and One Large Clip Blade, Half Polished, Brass Lining, German Silver Shield. Weight per Dozen 10 ozs.

Per Dozen

No. C3074ST Patent Stag Handle . . . $8 00



Fancy Art Design, Full Oval Pattern, Length 3½ inches. Unstamped. One Large Spear and One Small Pen Blade, Full Polished, Unlined. No Shield. Weight per Dozen 10 ozs.

Per Dozen

No. C3093A Aluminum Handle . . . $6 00

Length 3½ inches. Polished Steel. Half Bolsters. One Large Opener and One Small Pen Blade. Half Polished Brass Lining. No Shield. Weight per Dozen 16 ozs.

Per Dozen

No. C3023P . . . $18 00

Pocketknife, One Large Spear and One Small Pen Blade, Full Polished, Brass Lining, Milled. No Shield. Weight per Dozen 12 ozs.

Per Dozen

No. C3006GST Genuine Stag Handle . . . $9 00

Half Dozen to a Box

Sleeve Base Pattern, Length 5 inches. Unstamped. One Large Spear and One Small Pen Blade, Full Polished, Brass Lining, Milled. No Shield. Weight per Dozen 10 ozs.

Per Dozen

No. C3006P Pearl Handle . . . $37 00

POCKET KNIVES

"J. KOESTER'S SONS, GERMANY"

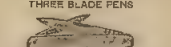
High Grade Imported English Steel Blades, Ground to a Fine Cutting Edge, Perfectly Fitted and Beautifully Finished by Skilled Workmen. Free from Flaws and Imperfections. FULLY GUARANTEED

THREE BLADE PENS

Length 3½ inches. Polished Steel. Half Bolsters. One Large Opener and One Small Pen Blade. Half Polished Brass Lining. No Shield. Weight per Dozen 16 ozs.

Per Dozen

No. C3072P Pearl Handle . . . $22 00



Lobster Pattern, Length 3 inches, Unstamped. One Large Spear, One Small Pen and One File Blade, Full Polished, Brass Lining, Milled. No Shield, Weight per Dozen 10 ozs.

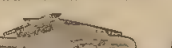
Per Dozen

No. C3073P—Pearl Handle . . . $22 00

Length 3½ inches. Polished Steel. Half Bolsters. One Large Opener and One Small Pen Blade. Half Polished Brass Lining. No Shield. Weight per Dozen 16 ozs.

Per Dozen

No. C3074P Pearl Handle . . . $24 00



Serpentine Pattern, Length 3½ inches. German Silver Bolsters. One Large Clip, One Small Pen and One File Blade, Half Polished. Brass Lining. No Shield. Weight per Dozen 12 ozs.

Per Dozen

No. C3071P Pearl . . . $13 00

Lobster Pattern, Length 3 inches, Unstamped. One Large Spear, One Small Pen and One File Blade, Full Polished, German Silver Lining, Milled. No Shield, Weight per Dozen 10 ozs.

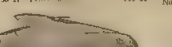
Per Dozen

No. C3050GST—Genuine Stag . . . $20 00

Length 3½ inches. Polished Steel. Half Bolsters. One Large Opener and One Small Pen Blade. Half Polished Brass Lining. No Shield. Weight per Dozen 16 ozs.

Per Dozen

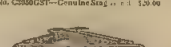
No. C3074GM Gun Metal Handle . . . $29 00



Lobster Pattern, Length 3 inches, Unstamped. One Large Spear, One Small Pen and One File Blade, Full Polished, Brass Lining, Milled. No Shield, Weight per Dozen 12 ozs.

Per Dozen

No. C3051P—Pearl . . . $23 00



Lobster Pattern, Length 3½ inches, Unstamped. One Small Spear, One Small Pen and One File Blade, Full Polished, Brass Lining, Milled. No Shield, Weight per Dozen 10 ozs.

Per Dozen

No. C3050P Pearl . . . $26 00

Length 3½ inches. Polished Steel. Half Bolsters. One Large Opener and One Small Pen Blade. Half Polished Brass Lining. No Shield. Weight per Dozen 16 ozs.

Per Dozen

No. C3052P Pearl Handle . . . $30 00

Pattern, Length 3½ inches. Unstamped. One Large Spear, One Small Pen and One File Blade, Full Polished, Unlined. No Shield. Weight per Dozen 12 ozs.

Per Dozen

No. C3046P Pearl Handle . . . $30 00

Pattern, Length 3½ inches. Unstamped. One Large Spear, One Small Pen and One File Blade, Full Polished, Unlined. No Shield. Weight per Dozen 12 ozs.

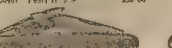
Per Dozen

No. C3070P Pearl Handle . . . $12 00

Length 3½ inches. Polished Steel. Half Bolsters. One Large Opener and One Small Pen Blade. Half Polished Brass Lining. No Shield. Weight per Dozen 16 ozs.

Per Dozen, $24.00

No. C3021P Pearl Handle . . . $24 00



Pattern, Length 3½ inches. Unstamped. One Large Spear, One Small Pen and One File Blade, Full Polished, Unlined. No Shield. Weight per Dozen 12 ozs.

Per Dozen

No. C3077GM—Gun Metal Handle . . . $14 00

Shoemaker Pattern, Length 3½ inches. Unstamped. One Large Spear, One Small Pen and One File Blade, Full Polished, Brass Lining, German Silver Shield. Weight per Dozen 16 ozs.

Per Dozen

No. C3095P Pearl . . . $20 00

Length 3½ inches. Polished Steel. Half Bolsters. One Large Opener and One Small Pen Blade. Half Polished German Silver Lining. No Shield. Weight per Dozen 16 ozs.

Per . . .

No. C3017P—Pearl Handle . . . $30 00

Length 3½ inches. Polished Steel. Half Bolsters. One Large Opener and One Small Pen Blade. Half Polished Brass Lining. No Shield. Weight per Dozen 16 ozs.

Per Dozen

No. C3075P Pearl Handle . . . $22 00

Wharncliffe Pattern, Length 3½ inches. German Silver Bolsters. One Large Spear, One Small Pen and One File Blade. Full Polished. Brass Lining. German Silver Shield. Weight per Dozen 16 ozs.

Per Dozen

No. C3006ST—Patent Stag Handle . . . $9 00

Half Dozen in Box

Length 3½ inches. Polished Steel. Half Bolsters. One Large Opener and One Small Pen Blade. Half Polished German Silver Lining. No Shield. Weight per Dozen 16 ozs.

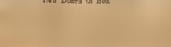
Per . . .

No. C3018P—Pearl Handle . . . $30 00

Length 3½ inches. Polished Steel. Half Bolsters. One Large Opener, One Small Pen and Two Small Pen Blades. Half Polished Brass Lining. German Silver Shields. Weight per Dozen 16 ozs.

Per Dozen

No. C3065ST Patent Stag Handle . . . $9 00



Wharncliffe Pattern, Length 3½ inches. German Silver Bolsters. One Large Spear, One Small Pen and One File Blade. Full Polished. Brass Lining. German Silver Shield. Weight per Dozen 16 ozs.

Per Dozen

No. C3006ST—Patent Stag Handle . . . $9 00

Half Dozen in Box

Length 3½ inches. Polished Steel. Half Bolsters. One Large Opener and One Small Pen Blade. Half Polished German Silver Lining. No Shield. Weight per Dozen 16 ozs.

Per . . .

No. C3018ST Patent Stag Handle . . . $8 00

"Diamond Edge is a Quality Pledge"

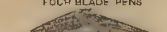
POCKET KNIVES

J. KOESTER'S SONS, GERMANY

High Grade Imported English Steel Blades, Ground to a Fine Cutting Edge Perfectly Fitted and Beautifully Finished by Skilled Workmen. Free from Flaws and Imperfections. FULLY GUARANTEED

FOUR BLADE PENS

No. C4000F Pearl Handle $17 00

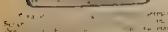


Congress Pattern. Length 3¼ inches, Unc[illegible] Two Small Pens and One File Blade, Half Polished, Brass Lining, No Shield. Weight per Dozen 10 ozs.

No. C4002F [illegible] $15 00

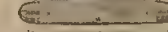
German Silver Finish Bolsters, One Large Spear, Two Small Pens and One File Blade, Half Polished, Brass Lining, No Shields, Weight per Dozen 10 ozs.

No. C4010F Pearl Handle $20 00

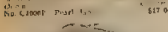


Lobster Pattern. Length 3 inches, Unstapped, One Small Stapped, Two Small Pens and One File Blade, Full Polished, German Silver Lining, Milled, No Shield, Weight per Dozen 12 ozs.

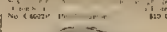
No. C4005P Pearl Handle ..... Per Dozen $30 00



No. C4003P Pearl Handle $17 00

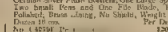


No. C4006M [illegible] $20 00

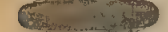


Two Small Pens and One File Blade, Full Polished, German Silver Lining, Shield, Weight per Dozen 14 ozs.

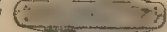
No. C4006P Pearl Handle ..... Per Dozen $30 00



No. C4012F Pearl Handle $14 00

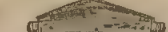


No. C4011 Pearl Handle $20 00



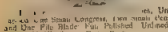
Senator Pattern. Length 3½ inches, Unstapped, One Large Spear, Two Small Pens and One File Blade, Full Polished, German Silver Lining, Shield, Weight per Dozen 14 ozs.

No. C4013F Pearl Handle $15 00

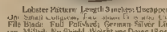


Unstapped, One Large Spear, Two Small Pens and One File Blade, Full Polished, German Silver Lining, Milled, No Shield, Weight per Dozen 14 ozs.

No. C4004F Pearl Handle ..... Per Dozen $32 00

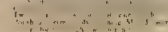


No. C4001F Pearl Handle $15 00



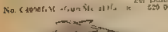
Congress Pattern. Length 3¼ inches, Unstapped, One Large Spear, Two Small Pens and One File Blade, Half Polished, Brass Lining, No Shield, Weight per Dozen 14 ozs.

No. C4003P Pearl Handle $30 00

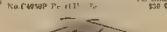


Congress Pattern, Length 3¼ inches, Unstapped, One Large Spear, Two Small Pens and One File Blade, Half Polished Brass Lining, German Silver Shield, Weight per Dozen 14 ozs.

No. C4007F Pearl Handle $20 00

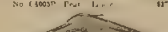


No. C4001P—Pearl Handle ..... Per Dozen $24 00



Congress Pattern. Length 3¼ inches, Unstapped, One Large Spear, Two Small Pens and One File Blade, Half Polished, Brass Lining, No Shield, Weight per Dozen 14 ozs.

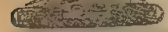
No. C4003P Pearl Handle $30 00



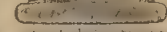
Congress Pattern. Length 3¼ inches, Unstapped, One Large Spear, Two Small Pens and One File Blade, Half Polished, German Silver Lining, Pantry Bolsters, Two Large Congress Shields, Weight per Dozen 14 ozs.

No. C4008F Pearl Handle $30 00

Checkered [illegible] $31 00



No. C4013P Pearl Handle $32 00



No. C4006P Pearl Handle ..... Per Dozen $30 00

Half-Dozen in a Box.

POCKET KNIVES

J. KOESTER'S SONS, GERMANY

High Grade Imported English Steel Blades, Ground to a Fine Cutting Edge Perfectly Fitted and Beautifully Finished by Skilled Workmen. Free from Flaws and Imperfections. FULLY GUARANTEED

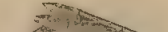
COMBINATION

Sleeve Board Pattern. Length 2¾ inches, German Silver Tipped, One Large Spear and One File Blade, One Pair Scissors, Full Polished, [illegible] Weight per Dozen 10 ozs.

No. C3054P [illegible] $28 00

[illegible] Length 2¾ inches, Unstapped, One Large Spear, One Small Pen and One File Blade, Full Polished, German Silver Lining, Milled, No Shield, Weight per Dozen 10 ozs.

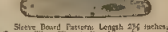
No. C3048P—Pearl Handle $34 00



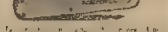
Lobster Pattern. Length 2¾ inches, Unstapped, One Large Spear, One Small Pen and One File Blade, One Pair Scissors, Full Polished, German Silver Lining, Milled, No Shield, Weight per Dozen 16 ozs.

Per Dozen

No. C3000P—Pearl Handle $48 00



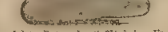
No. C3051P Pearl Handle $38 00



[illegible] Pattern. Length 3 inches, Unstapped, One Large Spear, One Small Pen and One File Blade, One Pair Scissors, Full Polished, One Pair Large [illegible] Shell Tooth Pick, German Silver Lining, Milled, No Shield, Weight per Dozen 18 ozs.

Per Dozen

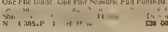
No. C3078P Pearl Handle $30 00



Lobster Pattern; Length 3 inches, Unstapped, One Large Spear, One Small Pen and One File Blade, One Pair Scissors, Full Polished, One German Silver Pen Spoon and One Toothe Shell Tooth Pick, German Silver Lining, Milled, No Shield, Weight per Dozen 18½ ozs.

Per Dozen

No. C3000F—Pearl Handle $36 00



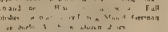
Per Dozen

No. C3001P—Pearl Handle $30 00

No. C4028NT Patent Stag Handle $22 00

No. C4022A White Bone Handle 22 00

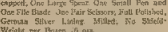
No. C4022T Pearl Handle 22 00



Champagne Pattern. Length 4⅛ inches, Unstapped, One Large Spear and One Small Pen Blade; One Cork Screw and One Wire Cutter, Full Polished, German Silver Lining, Fancy [illegible] Covers, Weight per [illegible] ozs.

Per Dozen

No. C4027A—Aluminum Handle. $18 00

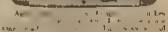


Lining, Milled, No Shield; Weight per Dozen 14 ozs.

Per Dozen

No. C3003GST—Genuine Stag Handle $30 00

No. C3002P —Pearl Handle 42 00



Auto-Safety Pattern. Length 3⅛ inches, [illegible]

No. C3026NT Patent Stag Handle $28 00

No. C3026P Pearl Handle 20 00

Length 2⅝ inches, German Silver Bolster, One Large Spanish and One Small Pen Blade, [illegible] Handles, [illegible]

No. C3038P—Pearl Handle. $36 00

Champagne Pattern. Length 3¼ inches, German Silver Bolsters; One Large Congress and One File Blade, One Cork Screw and One Wire [illegible]

No. C3034P—Pearl Handle.. ..... $44 00

Half Dozen in a Box

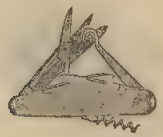
"Diamond Edge is a Quality Pledge"

POCKET KNIVES

J. KOESTER'S SONS, GERMANY

High Grade Imported English Steel Blades, Ground to a Fine Cutting Edge; Perfectly Fitted and Beautifully Finished by Skilled Workmen. Free from Flaws and Imperfections. FULLY GUARANTEED.

COMBINATION



Senator Pattern. Length 2⅝ inches, German Silver Trimmings. One Large Spear, One Small Pen and One File Blade; One Cleve Fastener, One Pair Scissors and One Cork Screw; Full Polished, Brass Lined; Mallett German Silver Shield. Weight per Dozen 4½ lbs.

Per Dozen $10.00

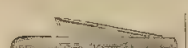
No. C8009P—Pearl Handle

Lobster Pattern. Length 3½ inches, Unzapped. One Large Spear and Two Small Pen Blades; One Nail File, One Cleve Fastener, One Pair Scissors, One Cork Screw, Corkscrew, Reamer and Tack Puller, and Two Screwdrivers; Full Polished, Brass Lined, German Silver Shield. Metal, No Shield. Weight per Dozen 5 lbs.

Per Dozen $11.00

No. C8005P Pearl Handle

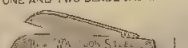
ONE AND TWO BLADE JACKS



Coachmaker Long Pattern. One Large Clip Blade; Full Cross Polished, Brass Lined. Weight per Dozen 14 ozs.

Per Dozen $8 00

No. C1005W—White Bone Handle



Length 3 inches. German Silver Rat Tail Bolster and Plain Cap; One Large Spear and One Small Pen Blade, Full Cross Polished, Brass Lined; German Silver Shield. Weight per Dozen 18 ozs.

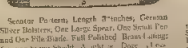
Per Dozen $27 00

No. C2051P—Pearl Handle

Length 3 inches. German Silver Bolster and Cap; One Large Spear and One Small Pen Blade, Full Cross Polished, Brass Lined; Mallett German Silver Shield. Weight per Dozen 14 ozs.

Per Dozen $8 00

No. C2005W—German Silver Handle



Length 3 inches. German Silver Bolster and Cap; One Large Spear and One Small Pen Blade, Full Cross Polished, Brass Lined; Mallett German Silver Shield. Weight per Dozen 14 ozs.

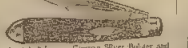
Per Dozen $8 00

No. C2005P—Pearl Handle

Length 3 inches. German Silver Bolster and Plain Cap; One Large Spear and One Small Pen Blade, Full Cross Polished, Brass Lined; German Silver Shield. Weight per Dozen 18 ozs.

Per Dozen $27 00

No. C2051P—Pearl Handle



Length 3 inches. German Silver Bolster and Cap; One Large Spear and One Small Pen Blade, Full Cross Polished, Brass Lined, No Shield. Weight per Dozen 14 ozs.

Per Dozen $9 00

No. C2094S—Buffalo Horn Handle

No. C2094T—Patent Stag Handle 9.00

No. C2051P—Pearl Handle 17 00

Length 3 inches. German Silver Bolster and Cap; One Large Spear and One Small Pen Blade, Full Cross Polished, Brass Lined, No Shield. Weight per Dozen 14 ozs.

Per Dozen $17 00

No. C2051P—Pearl Handle

Length 3½ inches. German Silver Bolster and Plain Cap; One Large Spear and One Small Pen Blade, Full Cross Polished, Brass Lined; German Silver Shield. Weight per Dozen 24 lbs.

Per Dozen $21 00

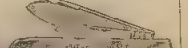
No. C2013P—Pearl Handle

Length 3½ inches. German Silver Pen Bolster and Cap; One Large Spear and One Small Pen Blade, Full Cross Polished, Brass Lined; German Silver Shield. Weight per Dozen 24 lbs.

Per Dozen $20 00

No. C2003P—Pearl Handle

Half Dozen in a Box



Length 3½ inches. German Silver Pen Bolster and Cap; One Large Spear and One Small Pen Blade, Full Cross Polished, Brass Lined; German Silver Shield. Weight per Dozen 24 lbs.

Per Dozen $20 00

No. C2038S German Silver Handle

POCKET KNIVES

G. W. PUTNAM & CO., GERMANY

Imported, Good Quality German Cast Steel, Well Ground and Nicely Finished. Made for Service. NOT GUARANTEED

TWO BLADE PENS

Sleeve Board Pattern. Length 2¾ inches. German Silver Bolsters. One Large Spear and One Small Pen Blade; Full Polished, Brass Lined. No Shield. Weight per Dozen 8 ozs.

Per Dozen $3 00

No. P3168P—Pearl Handle

Congress Pattern. Length 2⅞ inches. German Silver Bolsters. One Large Congress and One Small Pen Blade; Full Polished, Brass Lined. No Shield. Weight per Dozen 8 ozs.

Per Dozen $6 00

No. P3165P—Pearl Handle.

Sleeve Board Pattern. Length 2¾ inches. German Silver Bolsters. One Large Spear and One Small Pen Blade; Full Polished, Brass Lined. No Shield. Weight per Dozen 8 ozs.

Per Dozen $4.00

No. P3145ST—Patent Stag Handle

No. P3165W—Pearl Handle $ 00

Wharncliffe Pattern. Length 3 inches. Unzapped. One Large Clip and One Small Pen Blade; Full Polished, Brass Lined. German Silver Shield. Weight per Dozen 8 ozs.

Per Dozen $4.00

No. P3135ST—Patent Stag Handle

THREE BLADE PENS

Senator Pattern. Length 3 inches, German Silver Bolsters; One Large Spear, One Small Pen and One File Blade. Full Polished, Brass Linings. German Silver Shield. Weight per Dozen 14 ozs.

Per Dozen $15 00

No. P3114P—Pearl Handle

Stockman Pattern. Length 3½ inches. German Silver Bolsters; One Large Spear, One Small Pen and One File Blade. Full Polished, Brass Linings, German Silver Shield. Weight per Dozen 14 ozs.

Per Dozen $ 00

No. P3116P—Pearl Handle

Bulldog Pattern. Length 3½ inches. German Silver Bolsters; One Large Spear, One Small Pen and One File Blade. Full Polished, Brass Linings, German Silver Shield. Weight per Dozen 14 ozs.

Per Dozen $15 00

No. P3112P—Pearl Handle.

FOUR BLADE PENS

Congress Pattern. Length 3 inches. German Silver Bolsters. Two Large Congress and Two Small Pen Blades, Full Polished, Brass Lining. German Silver Shield. Weight per Dozen 24 lbs.

Per Dozen $6.00

No. P4104ST—Patent Stag Handle.

Congress Pattern. Length 3½ inches. German Silver Rat Tail Bolsters. Two Large Congress and Two Small Pen Blades, Half Polished, Brass Lining. German Silver Shield. Weight per Dozen 18½ lbs.

Per Dozen $9.00

No. P4105ST—Patent Stag Handle.

COMBINATION

Congress Pattern. Length 3 inches. Pen Knife, Nail File, Tack Puller, Screwdriver, Reamer, Chain Brake and Cap Lifter. German Silver Bolsters. Two Large Congress and Two Small Pen Blades. German Silver Shield. Weight per Dozen 24 lbs.

Per Dozen $9 00

No. P4103ST—Patent Stag Handle

Half Dozen in a Box

Length 3½ inches. Unzapped. One Large Clip, One Small Pen and One Corkscrew, Full Polished, Brass Lining, German Silver Shield. Weight per Dozen 20 lbs.

Per Dozen $8 00

No. P3141ST—Patent Stag Handle

"DIAMOND EDGE IS A QUALITY PLEDGE"

POCKET KNIVES

*G. W. PUTNAM & CO., GERMANY

Imported; Good Quality German Cast Steels; Well Ground, and Nicely Finished; Made for Service. NOT GUARANTEED

STOCK AND CATTLE

Premium Stock Pattern, Length 3¼ inches; German Silver Bolsters; One Large Clip, One Small Sheep Foot and One Small Spaying Blade, Half Polished; Brass Lining; German Silver Shield; Weight per Dozen 20 ozs.

No. P8128ST—Patent Stag Handle . . . Per Dozen $6.00

Cattle Knife, Length [illegible] inches; German Silver Bolsters; One Large Spear, One Small Sheep Foot and One Small Spaying Blade; Full Polished; Brass Lining; German Silver Shield; Weight per Dozen 22 ozs.

No. P8125ST Patent Stag Handle . . . Per Dozen $6.00

Anglo-Saxon Pattern, Cattle Roller, Length [illegible] inches, German Silver Bolsters; One Large Spear, One Small Sheep Foot and One Small Pen Blade; Half Polished; Brass Lining; German Silver Shield; Weight per Dozen 24 lbs.

No. P8129ST—Patent Stag Handle . . . Per Dozen $9.00

Premium Stock Pattern; Length 3¼ inches; German Silver Bolsters; One Large Clip, One Small Sheep Foot and One Small Spaying Blade; Half Polished; Brass Lining; German Silver Shield; Weight per Dozen 2 lbs.

No. P8102P Pearl Handle . . . Per Dozen $12.00

Premium Stock Pattern; Length 3¼ inches; German Silver Bolsters; One Large Clip, One Small Sheep Foot and One Small Spaying Blade; Half Polished; Brass Lining; German Silver Shield; Weight per Dozen 2 lbs.

No. P8140ST—Patent Stag Handle . . . Per Dozen $6.00

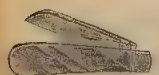
Texas Jack Pattern; Length [illegible] inches; German Silver Bolsters; One Large Clip and One Small Pen Blade; Half Polished; Brass Lining; German Silver Shield; Weight per Dozen 2 lbs.

No. P8151ST—Patent Stag Handle . . . Per Dozen $10.00

Texas Jack Pattern; Length [illegible] inches; German Silver Bolsters; One Large Clip and One Small Pen Blade; Half Polished; Brass Lining; German Silver Shield; Weight per Dozen 2 lbs.

No. P8150ST—Patent Stag Handle . . . Per Dozen $8.00

TWO BLADE JACKS



Stock Jack Pattern; Length [illegible] inches; German Silver Bolsters; One Large Clip and One Small Pen Blade; Half Polished; Brass Lining; German Silver Shield; Weight per Dozen 16 ozs.

No. P8179S—Iron Handle, Nickel Plated and Polished . . . Per Dozen $4.00

Stock Jack Pattern; Length [illegible] inches; German Silver Bolsters; One Large Clip and One Small Pen Blade; Full Polished; Iron Lining; No Shield; Weight per Dozen 16 ozs.

No. P8138ST—Patent Stag Handle . . . Per Dozen $3.00

German Silver Shield

Half Dozen in a Box

Stock Jack Pattern; Length [illegible] inches; German Silver Bolsters; One Large Clip and One Small Pen Blade; Half Polished; Brass Lining; German Silver Shield; Weight per Dozen [illegible] lbs.

No. P8128ST—Patent Stag Handle . . . Per Dozen $4.00

Half Dozen in a Box

POCKET KNIVES

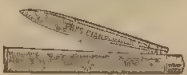
*G. W. PUTNAM & CO., GERMANY

Imported; Good Quality German Cast Steel; Well Ground, and Nicely Finished, Made for Service. NOT GUARANTEED

TWO BLADE JACKS

Stock Jack Pattern; Length 3¼ inches; German Silver Bolsters; One Large Clip and One Small Pen Blade; Half Polished; Brass Lining; German Silver Shield; Weight per Dozen 24 lbs.

No. P8130SA Ebony Handle . . . Per Dozen $8.00
No. P8130WS White Bone Handle . . . 4.00



Physicians Pattern; Length 3¼ inches; German Silver Nail Bolster and Shoe Caps; One Large Spear and One Small Pen Blade; Half Polished; Brass Lining; No Shield; Weight per Dozen 18 ozs.

No. P8112ST—Patent Stag Handle . . . Per Dozen $8.00

Crown Jack Pattern; Length 3¼ inches; German Silver Bolster and Caps; One Large Clip and One Small Pen Blade; Half Polished; Brass Lining; German Silver Shield; Weight per Dozen 2 lbs.

No. P8123ST Patent Stag Handle . . . Per Dozen $6.00

Crown Jack Pattern; Length 3¼ inches; German Silver Bolster and Cap; One Large Clip and One Small Pen Blade; Half Polished; Brass Lining; German Silver Shield; Weight per Dozen 2½ lbs.

No. P8124ST—Patent Stag Handle . . . Per Dozen $9.00

Premium Stock Pattern; Length 3¼ inches; German Silver Bolster and Cap; One Large Clip and One Small Pen Blade; Half Polished; Brass Lining; German Silver Shield; Weight per Dozen 2½ lbs.

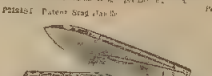
No. P8148ST—Patent Stag Handle . . . Per Dozen $8.00

Premium Jack Pattern; Length 3¼ inches; Half Jack Steel; Beaded Bolster; One Large Clip and One Small Pen Blade; Brass Lining; German Silver Shield; Weight per Dozen 12½ lbs.

No P8130STC Patent Stag Handle . . . Per Dozen $4.00

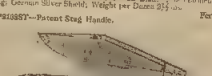
Premium Stock Pattern; Length 3¼ inches; German Silver Bolster and Cap; One Large Clip and One Small Pen Blade; Half Polished; Brass Lining; No Shield; Weight per Dozen 18 ozs.

No. P8131ST Patent Stag Handle . . . Per Dozen $8.00



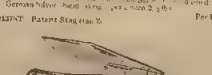
Gun Stock Pattern; Length 3¼ inches; German Silver Bolster and Cap; One Large Spear and One Small Pen Blade; Half Polished; Brass Lining; German Silver Shield; Weight per Dozen 2½ lbs.

No. P8138ST—Patent Stag Handle . . . Per Dozen $9.00



Premium Stock Pattern; Length 3¼ inches; German Silver Bolster and Cap; One Large Clip and One Small Pen Blade; Half Polished; Brass Lining; German Silver Shield; Weight per Dozen 2½ lbs.

No. P8141NT Patent Stag Handle . . . Per Dozen $6.00



Length 3¼ inches; German Silver Clip and One Small Pen Blade; Half Polished; Iron Lining; German Silver Shield; Weight per Dozen 16 ozs.

No. P8129ST—Patent Stag Handle . . . Per Dozen $5.00

Half Dozen in a Box

"DIAMOND EDGE IS A QUALITY PLEDGE"

SAFETY RAZORS

GILLETTE

	Each
No. 460—Standard. Solid Metal Razor, Triple Silver Plated, with 12 Double Edged Wafer Blades in Box to Match Razor, All in Velvet Lined Morocco Grain Leather Case, with Clasp	$5 00
No. 460B—Same as No. 460, but Seal Case and Gold Plated Razor	6 00
No. 460S—Same as No. 460, but Pigskin Case and Gold Plated Razor	6.00

	Each
No. 460B—Standard, Solid Metal Razor, Triple Silver Plated, with 12 Double Edged Wafer Blades in Metal Box to Match Razor, All in Velvet Lined Nickel Plated Metal Case	$5 00
No. 460C—Same as No. 460B, but Triple Silver Plated Metal Case	6 00
No. 460G—Same as No. 460B, but Gold Plated Case and Razor	7.50

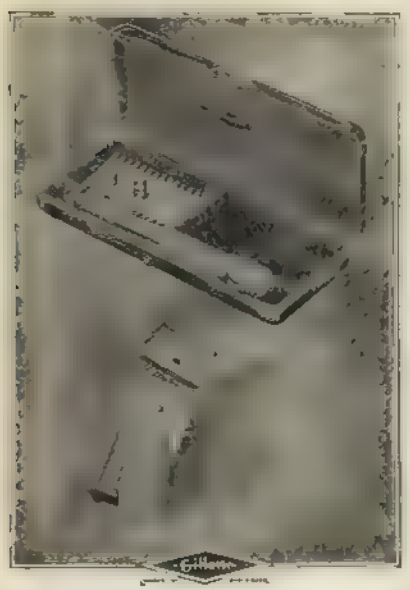
	Each
No. AR—Aristocrat, The French Ivory Set, Solid Metal Razor, Triple Silver Plated, with 12 Double Edged Wafer Blades in French Ivory Box. All in Velvet Lined French Ivory Case	$5.00
No. ARG—Same as No. AR, but Gold Plated Razor. Beautifully modeled on lines of refined simplicity. Especially desirable for gift purposes.	6.00

	Each
No. BD—Bull Dog. Solid Metal Razor, Triple Silver Plated, with 12 Double Edged Wafer Blades in Box to Match Case, All in Velvet Lined Oval Gray Antique Leather Case	$5 00
No. BDG—Same as No. BD, but Gold Plated Razor	6 00

Has a stocky bull dog handle, heavier than the Gillette Standard, extra generous in the grip and beautifully balanced

SAFETY RAZORS

GILLETTE



Each

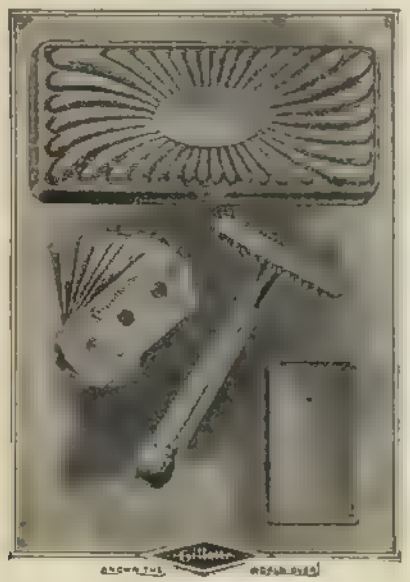
No. 500—**Pocket Edition**, Solid Metal Razor, Triple Silver Plated, with 12 Double Edged Wafer Blades in Metal Box to Match Razor. All in Velvet Lined Triple Silver Plated Plain Metal Case $5.00

No. 500B Same as No. 500, but Gold Plated Case and Razor 6.00

Each

No. 501—**Pocket Edition**, Solid Metal Razor, Triple Silver Plated, with 12 Double Edged Wafer Blades in Metal Box to Match Razor. All in Velvet Lined Triple Silver Plated Basket Pattern Metal Case..... $5 00

No. 501B—Same as No. 501, but Gold Plated Case and Razor 6.00



Each

No. 502—**Pocket Edition**, Solid Metal Razor, Triple Silver Plated, with 12 Double Edged Wafer Blades in Metal Box to Match Razor. All in Velvet Lined Triple Silver Plated Shell Pattern Metal Case $5 00

No. 502B— Same as No. 502, but Gold Plated Case and Razor 6 00

Especially Designed for Women. Each

Milady Decollete—Solid Metal Razor of Dainty Size, 14k Gold Plate, with 12 Double Edge Wafer Blades in Metal Box to Match Razor, in a French Ivory Case Modeled After the Lines of an Antique Japanese Pearl Case of Rare Beauty, Lined with Satin and Velvet in Purple, Old Rose, Green or Gold..... $3 00

No sleeves, transparent excuses for sleeves free movement and graceful pose of the dance, all make insistent demand for a smooth skin.

SAFETY RAZORS

GILLETTE

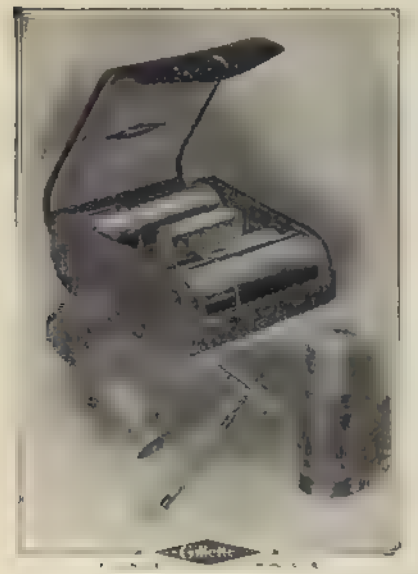
No 641

Each

No. 461—Combination Set, Solid Metal Razor, Triple Silver Plated, 12 Double Edged Wafer Blades in Metal Box, Telescope Pattern Badger Hair Shaving Brush, Stick Gillette Shaving Soap in Triple Silver Plated Holder, All in Velvet Lined Morocco Leather Covered Case.....$6 00

No. 461B—Combination Set, Solid Metal Razor, Triple Silver Plated, 12 Double Edged Wafer Blades in Metal Box, Telescope Pattern Badger Hair Shaving Brush, Stick Gillette Shaving Soap in Triple Silver Plated Holder, All in Velvet Lined Nickel Plated Metal Case..... 6 50

No. 461.



Each

No. 00—Standard Combination Set, Solid Metal Razor, Silver Plated, 12 Double Edged Wafer Blades, Two Metal Blade Boxes, Badger Hair Shaving Brush and Stick Gillette Shaving Soap in Triple Silver Plated Holders, All in Seal Grain Leather Case $6.50

No 00A Same as No. 00, but in Morocco Case..... 8.00

No. 00B—Same as No. 00, but in Pigskin Case..... 8.00

No. 00G—Same as No. 00, but Gold Plated Razor, Blade Boxes and Fittings, in Morocco Case 10 00

Each

No. 422 — Combination Set, Solid Metal Razor, Triple Silver Plated, Two Metal Blade Boxes with 12 Double Edged Wafer Blades, Fine Quality Badger Hair Shaving Brush and Stick Gillette Shaving Soap, in Triple Silver Plated Holders, One Plate Glass Mirror, in Pigskin Case ..... $ 9.00

No. 421—Same as No. 422, in Seal Case, Blade Boxes to Match 9.00

No. 421G—Same as No. 421, but Gold Plated Razor and Fittings 12.00

No. 422G—Same as No. 422, but Gold Plated Razor and Fittings 12.00

GILLETTE BLADES

Gillette Blades are made from a special formula steel, and have two cutting edges. The keenest edge ever devised highly polished. Each blade is put up in its separate rust proof envelope

Per Package

No. 12—12 Blades (24 Shaving Edges) in a Package....$1.00

No. 6—6 Blades (12 Shaving Edges) in a Package... 50

SAFETY RAZORS

AUTO-STROP

The Auto-Strop Safety Razor is simple and unique; it is the only Automatic Stropping Safety Razor on the market. It shaves, strops automatically and cleans without removing the blade from the holder. The adjustable feature is supremely simple as it permits the user to adjust at will for a light or close shave. Each

No. 1—Standard Outfit, Contains One Quadruple Silver Plated Self-Stropping Razor, 12 Auto-Strop Blades, One Shell Horsehide Strop, in Handsome Satin and Velvet Lined Black Leather Case, Patent Interior Metal Arch Receptacle for Strop has Hinged Front Panel Enabling Full Display of Contents $5.00

AUTO-STROP BLADES

Made of Finest Lancet Steel, Under the Most Scientific Process. Each Blade in a Moisture Proof Wrapper.

Per Package

No. 012—12 Blades in a Package..... $1.00
No. 06— 6 Blades in a Package..... .50

AUTO-STROP STROPS

Each

No. 15—1½x15 in., Fine Grade Shell Horsehide, Specially Prepared, Cord Loop at End..... $0 50

DURHAM DUPLEX DOMINO

Durham Duplex Blades are made of the Finest Tempered Steel, Double Edged, Hardened, Tempered, Ground, Honed and Stropped. Each Blade has Exactly the Same Quantity and Quality of Keenness.

Each

Durham Duplex Domino—Set Consists of Silver Plated Razor with White American Ivory Handle, Safety Guard, Stropping Attachment and a Package of Three Durham Duplex Blades, all in a Neat Durable Red Leather Case $1 00

Durham Duplex Blades—Five Blades in a Package, Hermetically Sealed ..... Per Package, 50

EVER-READY

Each

Standard Set—One Piece Triple Nickel Plated Brass Frame, Rust Proof Bow, Shaped to Hand, Lacquer Stained Stout Handle, with 8 Tempered Radio Steel Blades in Nickel Metal Sheaths, Complete in a Velvet Lined Wood Case, Covered with a Black Leatherette of a Tough Waterproof Texture, Snap Button Fastener..... $1.00

Ever-Ready Radio Steel Blades have a Delicate Cutting Edge, Each Blade is Individually Wrapped in a Patent Package, Dust and Damp Proof. Per Package

No. 6E Blades in a Package ..... $

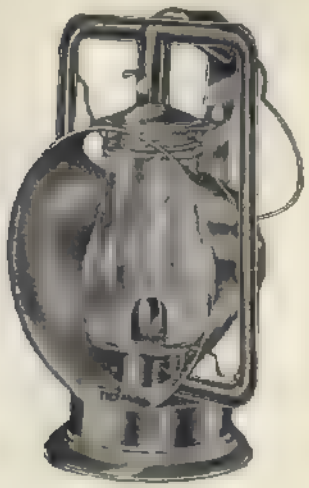
Per Gross

No. 24—Card, 24 Packages of 6 Blades Each on a Heavy Metal Lithographed Six-Color Card....$.

These Blades will fit Ever-Ready, Yankee, Star, Gem and other frames.

LANTERNS AND LAMPS

CAR INSPECTOR'S LANTERN

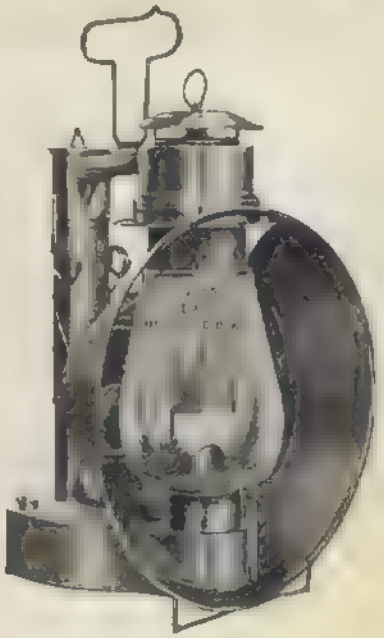


No. 1 high cone burner
No. 0 tubular globe
"A" ¾ inch wick.
Small silvered reflector.
Furnished in blue Japan or plain tin.
Shipping weight each 7 pounds.

No. 0 Each ..$2.50

One half dozen in a case

HAM'S IXL SEARCHLIGHT



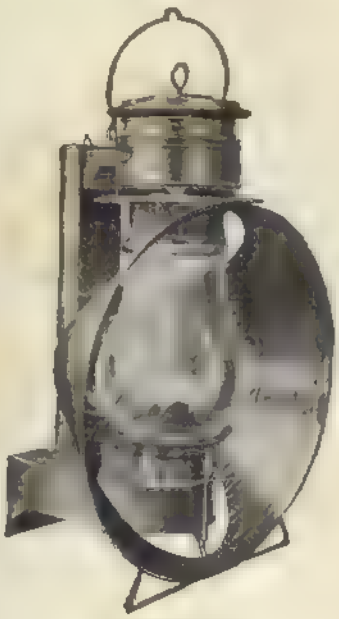
Cold Blast

Plain or bull's eye globe.
No. 2 Cold blast burner.
No. 0 Cold blast globe.
"B" 1 inch wick.
Height 15 inches. Burns from 28 to 34 hours. Reflector is 7 inches deep and 12 inches in diameter.
Weight per dozen 96 pounds.

No. 20 Japanned, per dozen....$44.00

One half dozen in a case

MAMMOTH SEARCHLIGHT



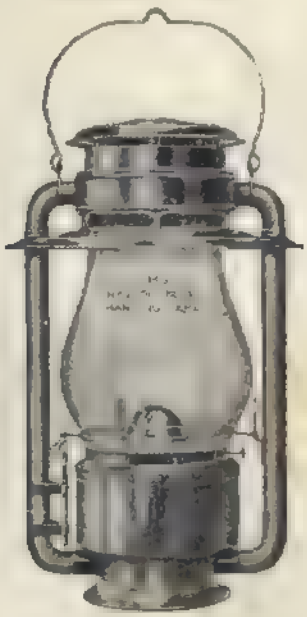
Cold Blast

Plain globe.
No. 9 burner.
No. 4 globe.
"D" 1½ inch wick.
Reflector is 16 inches in diameter, 8½ inches deep
Height of lantern 22 inches.
Shipping weight 25 pounds

No. 40 Each $9.00

One in a case

HANGING LAMP



Cold Blast

No. 9 Cold blast burner
No. 9 Cold blast globe
1½ inch "D" wick

Gives a large, steady, brilliant and unfailing light. Fitted with automatic extinguisher, which can be set to burn 4, 8, 12, 16, 20 or 24 hours. Finished in green enamel

Weight each about 25 pounds

No. 9 Hanging lamp, each .$8.00

One in a case

STREET LAMP

Cold Blast

No. 9 Cold blast burner.
No. 9 globe
1½ inch "D" wick

Gives a large, steady, brilliant and unfailing light. Fitted with automatic extinguisher, which can be set to burn 4, 8, 12, 16, 20 or 24 hours. Finished in green enamel

Weight each about 25 pounds.

No. 9 Cold blast street lamp, each....$7.50

One in a case

MOTOR HEADLIGHT

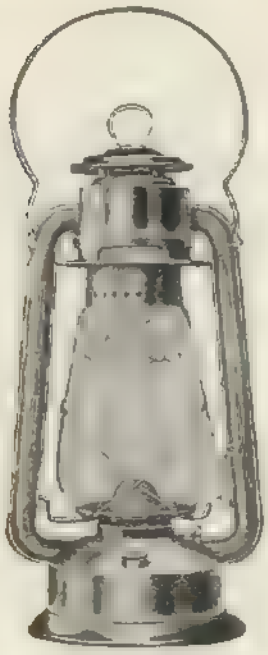
Black Enameled Case

Size 12x11x19 inches.
Silver plated reflector.
Circular wick for use in this headlight for burning kerosene
Shipping weight 30 pounds
Each .$12.50

One in a case

LANTERNS

MATCHLESS COLD BLAST

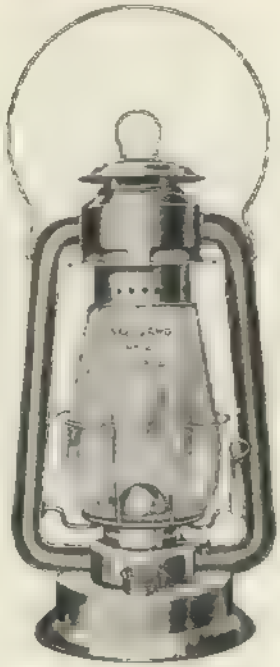


No. 2 Cold blast burner
No. 2 Cold blast globe
B" 1 inch wick
Weight per dozen 46 pounds

No. 2 Tin fount, per dozen....**$14.00**

One half dozen in a case

SAFEGUARD COLD BLAST

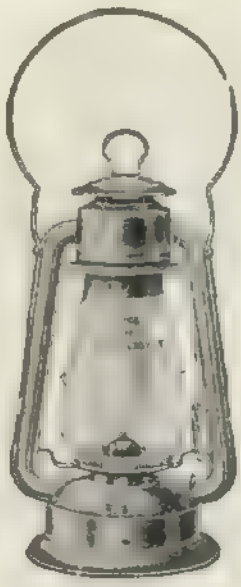


No. 2 Cold blast burner.
No. 0 Cold blast globe
1 inch wick.
Weight per dozen 52 pounds

No. 2 Tin fount, per dozen.....**$11 50**

One half dozen in a case

GEM COLD BLAST



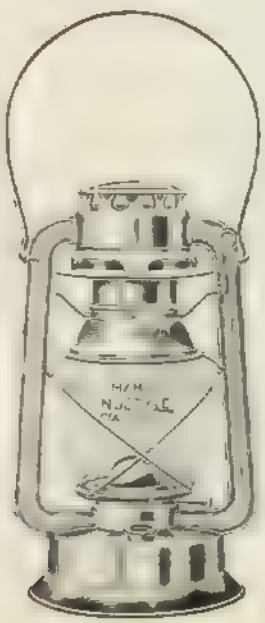
Gem cold blast burner
Gem cold blast globe.
No. 1 inch wick.
Weight per dozen 41 pounds

Gem, Tin, per dozen. **$11 00**
Gem, Brass, per dozen **20 00**

One dozen or half dozen in a case

LANTERNS

HAM'S "NUSTYLE" COLD BLAST



Nustyle Cold blast lanterns, "B" 1 inch wick with Nustyle cold blast globe, per dozen.....**$17.00**
Height of lantern only 13 inches.
Height of Nustyle globes 4¾ inches.
Nustyle, brass fount and top, per dozen..... **27.00**

Globe—The Nustyle globe is made to keep cool and eliminate breakage. The top is large, to make clearing easy. It is non-breakable and is perfectly guarded. Burner is fully exposed for lighting and trimming. A trimmed wick insures a perfect burning, smokeless flame. No burner to come out. Always in place locked and absolutely safe.

Lift—Locks down in place and holds the globe tight. Locks up for lighting and cleaning. No springs or rings to wear out. Easy to operate and cannot get out of order.

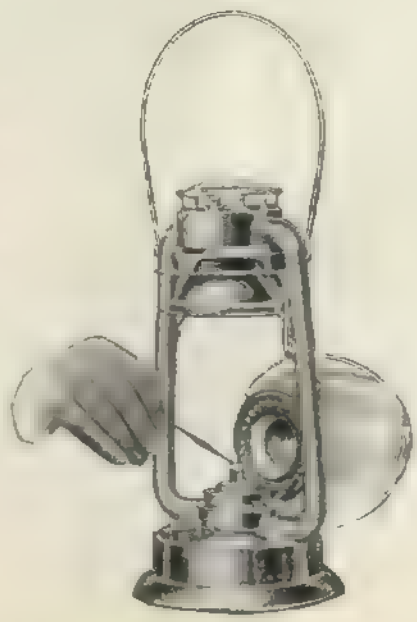
Top—Drawn from a single plate of heavy tin. No seams or springs—nothing to bend—waterproof and [illegible]

Bottom—Drawn from one piece of heavy Nustyle XX tin plate. Specially prepared tin plate. Specially prepared for a special purpose.

Fount. Holds sufficient oil to burn 24 hours. Made of heavy material. Has a large filler.

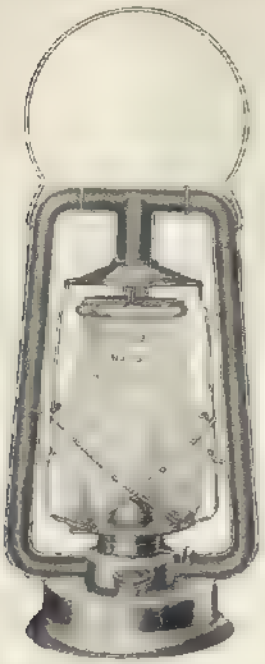
Weight per dozen 48 pounds.

One half dozen in a case



LANTERNS

SCOUT HOT BLAST

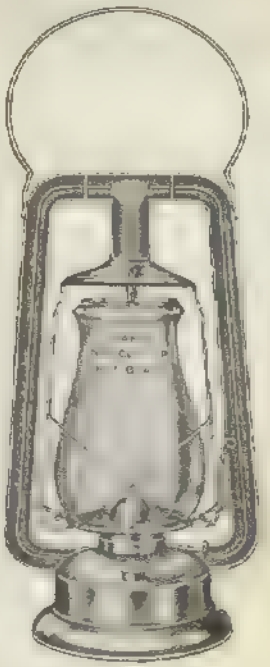


No. 1 Hot blast burner.
No. 0 Tubular globe.
"A" 5/8 inch wick.
Weight per dozen 36 pounds.

No. 0 Scout, tin fount, per dozen.**$9 00**

One dozen in a case

CLIPPER HOT BLAST



No. 1 Hot blast burner
No. 0 Tubular globe.
"A" 5/8 inch wick.
Weight per dozen 36 pounds.

No. 0 Clipper, tin fount, per dozen.**$8 50**

One dozen in a case

LITTLE STAR HOT BLAST

No. 1 Victor burner
White U. S. globe
5/8 inch wick.
Weight per dozen about 35 pounds.

Little Star, per dozen.....**$8 50**

One dozen in a case

MONARCH TUBULAR

No. 1 Victor burner
White U. S. globe.
5/8 inch wick.
Weight per dozen about 36 pounds.

Monarch, per dozen..... **$9.00**

One dozen in a case

DASH LANTERNS

No. 15 Clipper

No. 1 Hot blast burner.
No. 0 Tubular BE globe.
No. A 5/8 inch wick.
Finished in blue japan.
Weight per dozen 50 pounds.

No. 15 Clipper Dash, per dozen.**$13.50**

One half dozen in a box

No. 17 Sterling

No. 2 Cold blast burner.
No. 0 Cold blast bull's eye globe.
"B" 1 inch wick.
Weight per dozen 64 pounds.

No. 17 Sterling Dash, per dozen.**$21.00**

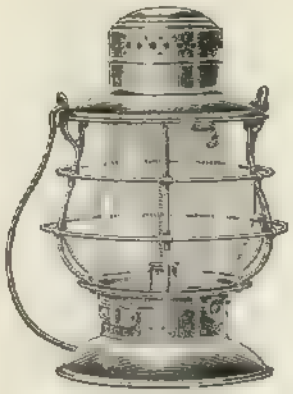
One half dozen in a box

LANTERNS

CONDUCTORS'

No. 3 Screw oil cup, takes No. 3 Conductors' globe, white, burns sperm oil, weight each about 3½ pounds, each..... **$8.50**

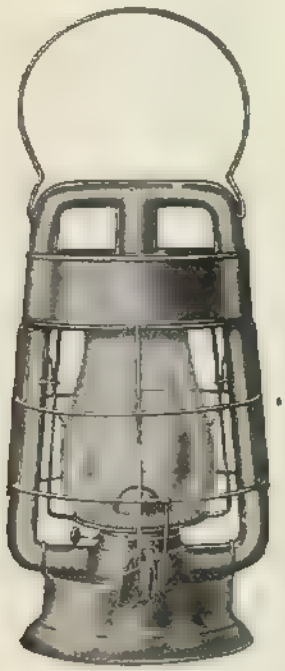
RAILROAD



No. 39 Double guard, tin bottom. No. 1 ratchet burner. No. 39 R. R. globe, "A" ⅝ inch wick. burns signal oil, weight per dozen about 50 pounds. With Ratchet burner, per dozen....**$16.00**
With Convex burner for kerosene oil, per dozen..... **16.00**

Casey heavy guard skeleton bottom, flat tube burner, weight per dozen about 50 pounds. Per dozen **$19.50**

"SENTINEL" MILL

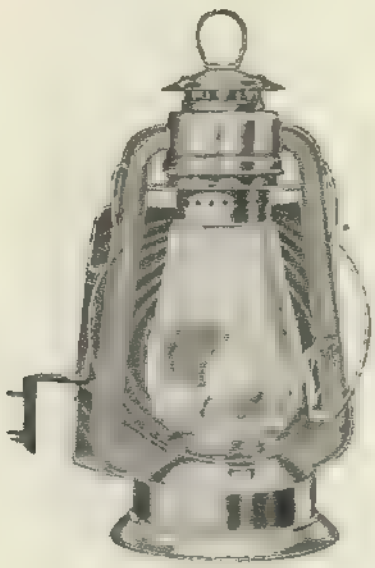


No. 2 Hot blast burner. No. 0 tubular globe. No. "B" 1 inch wick, weight per dozen 66 pounds. Price does not include lock.

No. 2H Mill Per dozen.....**$33.00**

Half dozen in a case

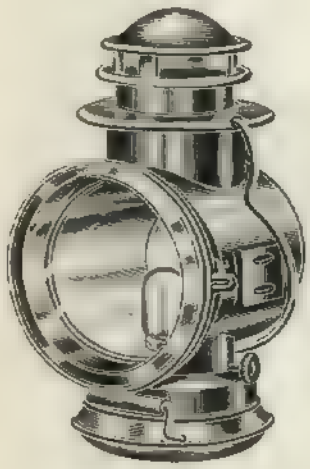
SIDE LAMP



Gem Side Lamp, white light ahead and red light to rear, Gem cold blast burner, Gem cold blast bull's eye globe, "A" ⅝ inch wick, weight per dozen 50 pounds, per dozen.....**$22.00**

Half dozen in a case

DRIVING LAMP



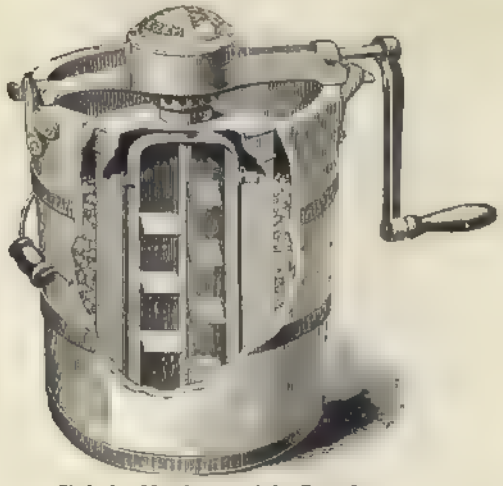
Cold Blast, throws a strong white light ahead and shows a red warning light in the rear, height 9 inches, size of wick ⅝ inch, automobile lamp burner, beveled plate lens 4¾ inches, rear lens 2 inches. Has flat "Holdtite" socket (takes blade bracket). A bracket for attaching to vehicle furnished with each lamp. Weight per dozen 56 pounds.

No. 1 Argus Plain lens, each, **$4.50**

Half dozen in a case

ICE CREAM FREEZERS

WHITE MOUNTAIN



Triple Motion, with Crank

1 quart size, weight each	6 pounds	$
2 quart size, weight each	12 pounds	
3 quart size, weight each	14½ pounds	
4 quart size, weight each	16 pounds	
6 quart size, weight each	24 pounds	
8 quart size, weight each	27 pounds	
10 quart size, weight each	30 pounds	

The can moves from right to left, the outside beater moves from left to right, scrapes with its wooden bars the frozen cream from the can and throws it toward the center, where it is met by the floats of the inside beater moving in an opposite direction and returned to the inside surface of the can to be re-frozen. The triple motion thus induced keeps the cream constantly moving and insures every particle being smoothly and evenly frozen.

WHITE MOUNTAIN

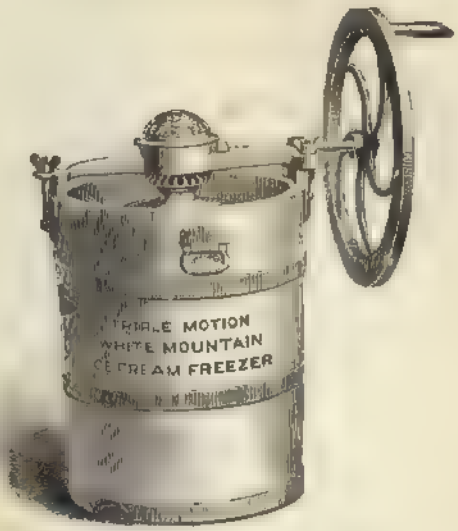
With Platform and Stand

15 quart size, weight each	160 pounds, each.	$
*20 quart size, weight each	180 pounds, each.	
*25 quart size, weight each	240 pounds, each.	

The platform and stand are cast iron, heavily galvanized to prevent rust. When in use, the gear frame is fastened by latch bolt and thumb screw. When released it can be swung to either side, so tub and can may be removed. At a slight advance in price, a pulley can be substituted for fly wheel, shown in illustration, and a good power machine produced. The pulley is 16x4¾, and the freezer should be operated at a speed of 75 revolutions per minute

*Not carried in stock; can be shipped promptly from factory.

WHITE MOUNTAIN



Triple Motion with Fly Wheel

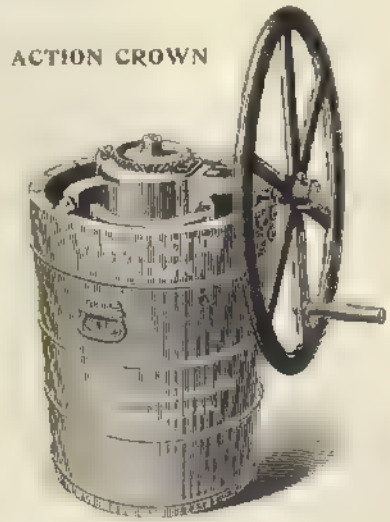
*20 quart size, weight each	95 pounds, each	$
*25 quart size, weight each	121 pounds, each	

These are durable hand freezers having all the White Mountain features, with a balance fly wheel which materially increases the operator's power, saving both labor and time during the process of freezing.

Especially adapted for the use of hotels, ice cream parlors, etc

Every White Mountain freezer part that comes in contact with the cream is heavily plated with solid block tin. This precludes the slightest possibility of poisoning

DOUBLE ACTION CROWN



With Fly Wheel

*24 quart size, weight each	111 pounds, each	$
*32 quart size, weight each	138 pounds, each	

Made heavy and strong for use of confectioners, hotels, restaurants, etc

The tubs are made of selected white cedar, and have electric welded wire hoops.

The cans are of heavy tinplate, with tinned malleable iron bottom.

The cross bar is made to swing up out of way to take out can, and may be entirely removed from freezer.

The gear and fly wheel shafts are connected by clutches, which engage or disengage by simply raising and lowering the cross bar.

The fly wheel remains stationary on side of pail.

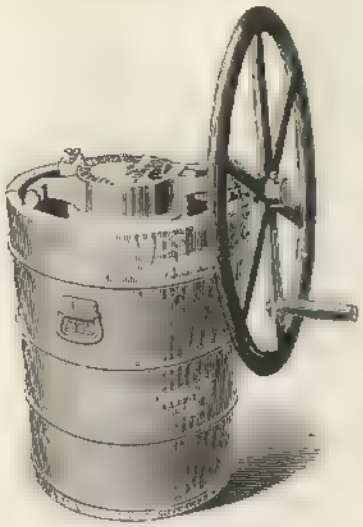
ICE CREAM FREEZERS

LIGHTNING

1 quart size, weight 7 pounds
2 quart size, weight 9¾ pounds
3 quart size, weight 11 pounds
4 quart size, weight 13¾ pounds
6 quart size, weight 18½ pounds
8 quart size, weight 22½ pounds
10 quart size, weight 29½ pounds

The pails are made of pine with electric welded wire hoops. Have automatic twin scrapers, insuring continuous scraping of frozen cream from side of can. All inside parts are heavily coated with pure block tin. All outside parts are galvanized. The gears are completely covered. The cans have drawn steel bottoms, the body is made of finest quality heavy tin plate, the top being strongly wired and turned over. The ice space is arranged to use the least possible amount of ice and salt to freeze quickly and effectually.

JUMBO LIGHTNING



14 quart size, weight 63 pounds, each
20 quart size, weight 96 pounds, each

Similar in design and construction to the Lightning freezer but made heavier and stronger, for use of confectioners, hotels, restaurants, etc.

The tubs are made of selected white cedar and have electric welded wire hoops.

The cans are of heavy tinplate with drawn steel bottoms.

The top plate is made to swing up to take out can, and may be entirely removed from freezer. The gear and fly wheel shafts are connected by clutches, which engage and disengage by simply raising and lowering the top plate.

The fly wheel remains stationary on side of pails.

BLIZZARD

1 quart size, weight 6¼ pounds
2 quart size, weight 8¾ pounds
3 quart size, weight 10¼ pounds
4 quart size, weight 12¾ pounds
6 quart size, weight 17 pounds

The Blizzard is an excellent low price freezer, is simple in the construction of the operating mechanism, being single acting that is the cans only revolve. The pail is made of pine with electric welded wire hoops. The can is the same as used in the Lightning freezer. The gears are completely covered. All inside parts coming in contact with cream are heavily coated with pure block tin. All outside parts are heavily galvanized.

*Not carried in stock but can be shipped promptly from factory.

*ICE CREAM CABINETS

Nelson's

No.	Capacity Quarts	Length Inches	Width Inches	Height Inches	Shipping Weight	Price
*2	12	34	17	30	120	$27.50
*2	20	35	18½	32	150	32.00
*2	40	46	24	36	200	46.00

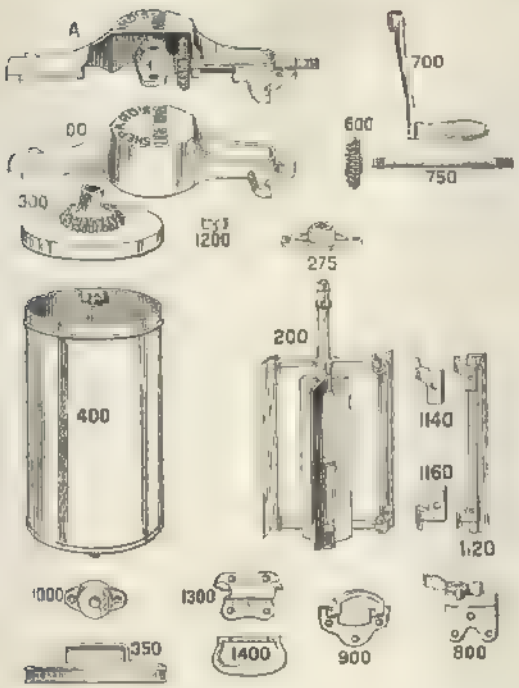
The Nelson Patent Cabinets are constructed entirely of wood. Everlasting California red wood used for the outer case, and Virginia white cedar for the circular independent compartments. The compartments are separated from the outer walls and from each other by granulated cork (the best non-conductor of heat and cold known). Drain pipes are of heavy brass tubing and are secured with brass locknuts. Both are everlasting.

All stock cabinets finished in a rich mahogany color, two coats shellac, two coats of special brine proof varnish. Other colors on order only.

Guaranteed to keep ice cream in perfect condition (barring no climate) 24 to 36 hours with one packing of ice properly done.

*REPAIRS FOR ICE CREAM FREEZERS

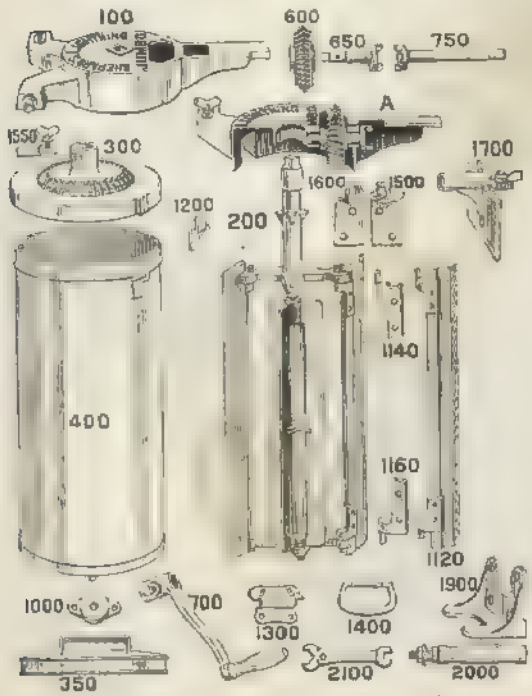
REPAIRS FOR LIGHTNING FREEZERS



No. of Figure in Illustration	Name of Part	Quarts	1	2	3	4	6	8	10
	Pail only, no fittings, except handle to carry it		$0.80	$0.96	$1.12	$1.36	$1.68	$2.16	$2.88
	Pail, with handle and fittings, Nos. 800, 900 and 1000		.96	1.12	1.36	1.60	2.00	2.56	3.44
A	Top plate or cross bar with all parts attached		.72	.80	.96	1.12	1.36	1.92	2.56
100	Top plate or cross bar, casting only, no parts		.56	.64	.72	.88	1.12	1.44	1.92
200	Dasher, complete with scrapers and wheel dasher		.40	.48	.56	.72	.96	1.20	1.76
275	Dasher holder and screws, to go inside top plate		.16	.16	.24	.24	.32	.32	.32
300	Lid or can cover, iron as used in freezer		.32	.40	.48	.56	.72	.96	1.28
350	Lid or can cover, tin as used for packing can		.40	.48	.56	.64	.80	.96	1.12
400	Can only		.48	.56	.72	.88	1.12	1.44	1.92
600	Driving gear, at end of crank shaft		.16	.16	.16	.16	.24	.24	.24
700	Crank		.24	.24	.24	.24	.32	.32	.40
750	Crank shaft		.16	.16	.16	.16	.24	.24	.24
800	Lock plate, screwed to top of pail, side next crank		.08	.08	.08	.16	.16	.16	.24
900	Hinge ear, screwed to top of pail, opposite crank		.08	.08	.08	.16	.16	.16	.24
1000	Centerpiece, screwed to bottom of pail, inside		.08	.08	.08	.08	.08	.08	.08
1120	Wood scraper, including upper and lower hinge		.16	.16	.16	.16	.16	.24	.24
1140	Upper scraper lug or hinge		.08	.08	.08	.08	.08	.08	.08
1160	Lower scraper lug or hinge		.08	.08	.08	.08	.08	.08	.08
1200	Carrier for can, soldered to inside at top of can		.08	.08	.08	.08	.08	.08	.08
1300	Plate for side handle of pail		..	..	..	..	..	..	.16
1400	Handle for side handle of pail		..	..	..	..	..	..	.16

In ordering parts be particular to give name and size of Freezer, name of part wanted corresponding to illustration, and Number and Letter on broken part

*REPAIRS FOR JUMBO LIGHTNING FREEZERS



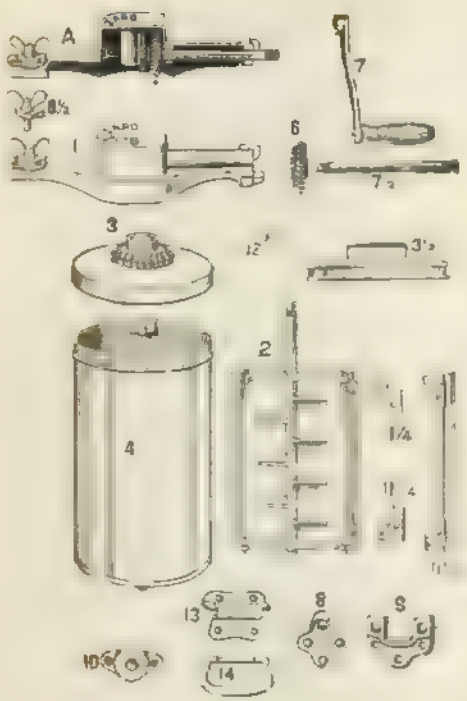
No. of Figure in Illustration	Name of Part	Quarts	14	20
	Pail only, no parts except handle to carry it		$5.76	$7.04
	Pail with handles and fittings, Nos. 1000, 1500, 1600, 1700		6.80	8.80
A	Cross bar or top plate, with all parts attached		3.60	4.80
100	Cross bar or top plate only, without any attached parts		2.80	3.52
200	Dasher, complete with scraper and wheel dasher		2.56	3.60
300	Lid or can cover, iron, as used in freezer		1.76	2.40
350	Lid or can cover, tin, as used for packing can		1.44	1.60
400	Can only		2.40	4.40
600	Driving gear (at end of outer shaft)		.48	.64
650	Clutch shaft, for driving gear		.32	.48
700	Crank		..	.48
750	Crank or fly wheel shaft		.32	.48
1000	Centerpiece, screwed to bottom of pail, supporting can		.08	.16
1120	Wood scraper, including upper and lower scraper lugs		.24	.24
1140	Upper scraper lug or hinge		.08	.08
1160	Lower scraper lug or hinge		.08	.08
1200	Carrier for can, soldered to outside top of can		.08	.08
1300	Plate for side handle on pail		.16	.24
1400	Handle for side handle on pail		.16	.24
1500	Pivot, right hand, for bolt in cross bar to swing in		.16	.24
1550	Bolt and screw, supporting cross bar in right hand pivot		.16	.16
1600	Pivot, left hand, for pin on cross bar to swing in		.16	.24
1700	Bearing for crank or fly wheel shaft, with bolts		.64	.80
1900	Support for pail or fly wheel freezer		..	.56
2000	Handle and bolt for fly wheel		.40	.40
2100	Wrench for screw or fly wheel shaft, etc		.24	.24
	Fly wheel only		4.80	6.72

In ordering parts, be particular to give name and size of Freezer, name of part wanted, corresponding to illustration, and Number and Letter on broken part.

*Not carried in stock; can be furnished promptly from factory

*REPAIRS FOR ICE CREAM FREEZERS

REPAIRS FOR BLIZZARD FREEZERS

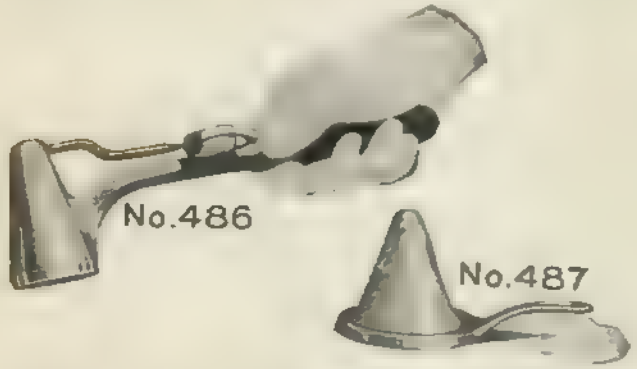


Key No. in Illustration	Name of Part (Quarts)	1	2	3	4	6	8	10
	Pail only, no fittings except handle to carry it	$0.80	$0.96	$1.12	$1.36	$1.68	$2.16	$2.88
	Pail with handle and fittings. Nos 8, 9 and 10	.96	1.12	1.36	1.60	2.00	2.56	3.44
A	Cross bar or top plate, with all parts attached.	.48	.56	.72	.88	1.04	1.36	1.76
1	Cross bar or top plate only, no attached parts	.32	.40	.48	.56	.72	.96	1.28
2	Dasher, including scrapers and hinges	.40	.48	.56	.72	.96	1.20	1.76
3	Lid or can cover, iron, as used in freezer	.32	.40	.48	.56	.72	.96	1.28
3½	Lid or can cover, tin, as used for packing can	.40	.48	.56	.72	.80	.96	1.12
4	Can only	.48	.56	.72	.88	1.12	1.44	1.92
6	Driving gear (at end of crank shaft)	.16	.16	.16	.16	.24	.24	.24
7	Crank	.24	.24	.24	.24	.32	.32	.40
7½	Crank shaft	.16	.16	.16	.16	.24	.24	.24
8	Hook screwed to top of pail, opposite side to crank	.08	.08	.08	.16	.16	.16	.24
8½	Knob or catch (engaging in hook), including rivet	.16	.16	.16	.16	.16	.16	.16
9	Side piece, screwed to top of pail beside next crank	.08	.08	.08	.16	.16	.16	.24
10	Centerpiece, screwed to bottom of pail, inside	.08	.08	.08	.08	.08	.08	.08
11⅓	Wood scraper, with hinges	.16	.16	.16	.16	.16	.24	.24
11¼	Upper hinge for scraper	.08	.08	.08	.08	.08	.08	.08
11¾	Lower hinge for scraper	.08	.08	.08	.08	.08	.08	.08
12	Carrier for can, soldered to inside at top of can	.08	.08	.08	.08	.08	.08	.08
13	Plate for side handle of pail	..	..	..	..	..	..	.16
14	Handle for side handle of pail	..	..	..	..	..	..	.16

In ordering parts be particular to give name and size of freezer, name of part wanted, corresponding to illustration and Number on broken part.

ICE CREAM DISHERS

No. 386 Near silver aluminum, bowl shape, sizes 8, 10, 12, 14 and 16 to quart, all sizes, weight per dozen 7½ pounds, per dozen.....$24.00



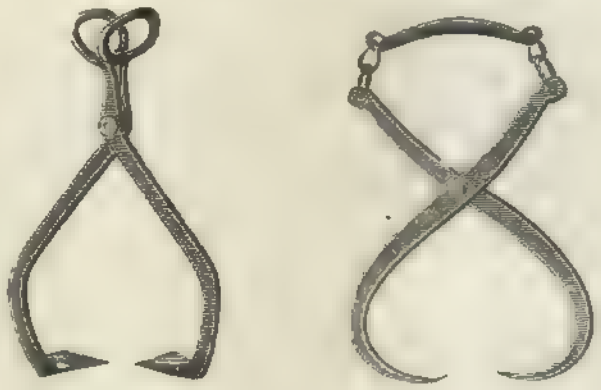
No. 486 Disher, sizes 16, 20 and 32 to quart, weight per dozen 8 pounds, per dozen.....$24.00
Size 32 used for penny cones

No. 487 Quick and easy trays, per dozen.....$4.00

These trays are used in connection with No. 486 disher. Deposit cream on tray, place cone over same, reverse and remove tray. Weight per dozen 1½ pounds.

*Not carried in stock; can be shipped promptly from factory.

ICE TONGS



Japanned

Plain handles, duck bill points.

No. 1 Opens 14 inches, weight 42 pounds per dozen. $23.00
No. 2 Opens 17 inches, weight 55 pounds per dozen. 27.00
No. 3 Opens 20 inches, weight 72 pounds per dozen. 33.00

Chain Link Japanned

No. 1C Opens 14 inches, weight 30 pounds per dozen....$26.00

MANNING-BOWMAN & CO.'S CHAFING DISHES WITH NEW ALCOLITE WICK FEED BURNER STOVES

Operates on same principal as those with tank. Burns denatured alcohol gas mixed with air which produces a powerful flame which can be regulated to any size. The invisible wick does not come in contact with flame, so requires no renewing. Will burn full flame for one and one-half hours. Alcohol will not evaporate when not in use. The only chafing dish stand that can be used as a stove for other cooking utensils without the use of hanger or other additional parts.

Prices Each

CHAFING DISH WITH "ALCOLITE" BURNER

No. 341-9 Nickel plated, diameter 9 inches, capacity 3 pints ..... $ 6.50

CHAFING DISH WITH "ALCOLITE" BURNER

No. 346-8N Nickel, capacity 3 pints $12.50
No. 346-8SC Same, solid copper 19.00

MISSION STYLE CHAFING DISH WITH "ALCOLITE" BURNER.

No. 349-8S Nickel, diameter, 9¼ inches; capacity 3 pints $21.75
No. 349-8SC Same, solid copper 21.75

CHAFING DISH WITH "ALCOLITE" BURNER

No. 371-10N Nickel plated; diameter 9⅛ inches; capacity 3 pints $22.75
No. 371-10N Same, solid copper 32.75

MISSION STYLE CHAFING DISH WITH "ALCOLITE" BURNER.

No. 355-8S Nickel, diameter, 9¼ inches; capacity 3 pints $23.25
No. 355-8SC Same, solid copper 23.35

CHAFING DISH WITH "ALCOLITE" BURNER.

No. 386-10S Nickel plated, diameter, 9⅛ inches; capacity, 3 pints $26.75
No. 386-10SC Same, solid copper has pierced legs. Handle and knobs of Mahognito wood 36.75

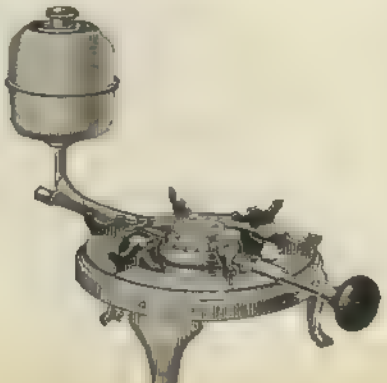
These stoves manufacture their own gas and burn a blue flame like the ordinary gas range burner. The alcohol is not burned direct as in the usual chafing dish burner, but is vaporized and mixed with air which produces a blue flame powerful enough for any cooking. It has three times the heating power of the ordinary lamp, yet regulates to a simmering flame at a touch. Costs less than two cents an hour to run. Alcohol will not evaporate when not in use. Is soutless and odorless.

NO. 58 ALCOLITE BURNER GAS STOVE.

Price of stove as shown under chafing dish as above. Has wrought iron stand and [illegible] top. [illegible] Will burn 3 hours without refilling ..... $

No. 27[illegible] CHAFING DISH AND STOVE.

Diameter of dish 9¼ inches; capacity 3 pints. Nickel plated ..... $



No. [illegible] Alcohol stove only $8.00
No. [illegible] Polished brass stove only 9.00

Manning-Bowman & Co.'s
Chafing Dishes and Chafing Dish Utensils

Best quality nickel plated and solid copper chafing dishes, double tin lined throughout, extra pan for hot water, perfection regulating lamp.

PRICES EACH.

NO. 7[illegible] CHAFING DISH

Diameter [illegible] inches; capacity, 3 pints. Asbestos lamp with cap or extinguisher for small flame (nickel plated only). . . . . 8[illegible]

NO. 302X CHAFING DISH

Diameter 9½ inches, capacity 3 pints. Hot flame regulating lamp. Nickel plated [illegible] $11 25
No. 302C Same, solid copper..... 11 75

NO. 291 CHAFING DISH

Diameter, 9½ inches; capacity, 3 pints. Hot flame regulating lamp. Nickel plated.....$12 25
No. 291C Same, polished copper. 12 75

NO. 385 CHAFING DISH SET FOUR PIECES

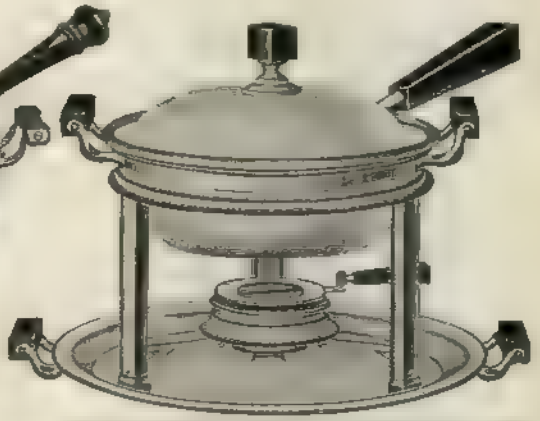
Consists of 3 pint chafing dish, with hot flame regulating lamp, 14 inch tray and silver plated spoon and fork. Nickel plated $23 00

No. 3850C Same, solid copper. Spoon and fork in these sets are always furnished in silver plate. 24.00

NO. 384 CHAFING DISH

Diameter, 9½ inches, capacity, 3 pint. Hot flame regulating lamp.

Nickel plated $12 00
No. 384C Same, solid copper . 12.00

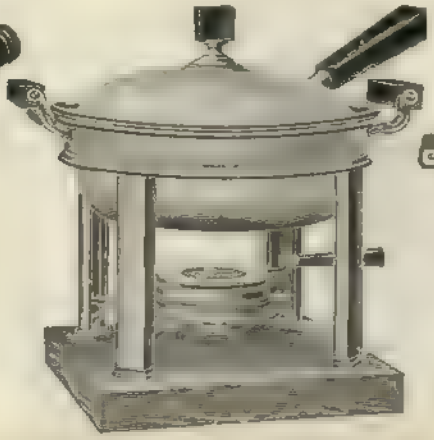


MISSION STYLE CHAFING DISH WITH TRAY

No. 297-4813 Complete, nickel plated.....$22 50
No. 297-4813C Complete, solid copper..... 22 50
No. 297 Chafing dish only, nickel plated.. 17 00
No. 297C Chafing dish only, solid copper.. 17 00
No. 4813 Tray only, diameter 12 inches, nickel plated 5[illegible]
No. 4813C Tray only, diameter 13 inches, solid copper .. 9 75

NO. 382 CHAFING DISH

Diameter [illegible] inches, capacity [illegible] pints. Hot flame regulating lamp $14 75
No. 382C Same, solid copper..... 14.75



NO. 298 MISSION STYLE CHAFING DISH WITH HEAVY OAK CASE.

No. 298 Diameter 9½ inches, capacity, 3 pints. Perfection regulating lamp.....$21 50
No. 298C Same, solid copper..... 21.50

NO. 386 CHAFING DISH

Diameter 9½ inches, capacity 3 pints. Hot flame regulating lamp $19 75
No. 386C Same, solid copper. Mahoganite handles and feet . . 19 75

MANNING-BOWMAN & CO.

ELECTRIC DINING TABLE SET—FIVE PIECES.

Consists of stove, percolator, chafing dish, kettle and stand for use with the various pieces.

The advantages of cooking by electricity at the dining table are made even more manifest in the combination set shown.

Its utility is greatly increased because the pieces are interchangeable, for example, after preparing an article of food in the chafing dish the latter can then be removed and placed on the stand. The stove is then ready for making coffee in the percolator or boiling water in the tea kettle. It can also be used with any utensil which has a flat bottom of equal size or smaller, or it can be used as a toaster or grill.

Despite the many things you can do with this set only one stove is required consequently it is much more economical to buy the combination set in preference to several stoves with heaters attached. Stove can be regulated to supply three heats warm, medium or hot.

Experience has proven the superiority of the detachable stove, over the stove that is built in or permanently attached as part of the utensil. As a certain number of wires are necessary to carry the heat or electric current, the larger the stove the larger the wires used which last longer and add greatly to the life of the stove.

Chafing dishes with heaters attached can be used only in connection with the hot water pan and not for cooking that requires direct heat. With separate stove the food pan can be used as a fry pan or for anything requiring a direct heat.

No. 1298-54	Electric dining table set, complete, five pieces	$[illegible]
No. 4298-54	Electric chafing dish and stove, nickel plated	25 50
No. 13693-54	Electric percolator and stove, nickel plated	20 75
No. 1475-54	Electric tea kettle and stove, 2½ pints, nickel plated	21 00
No. [illegible]-54	Electric stove only, nickel plated	[illegible]
No. 298	Chafing dish only, no stove, nickel plated	8 00
No. 13 93	Percolator only, no stove, nickel plated	12 75
No. 1475	Tea kettle only, no stove, nickel plated	7 50
No. 586	Stand for different utensils, nickel plated	5 25

Capacity of Percolator, 3 pints or 6 cups; Chafing Dish, 3 pints.

ELECTRIC TOASTER.

The electric heater is set on a black enameled base handsomely finished in polished, nickel plate. On each side is a door which swings outward and downward, opening sufficient to permit placing or removing the bread without burning the fingers and when closed confining all the heat within for quick and effective work.

The "Keep Hot" rack increases its capacity by providing a place to keep the toast hot, while other toast is being made, or for drying out the bread in advance. When not in use the rack slides back into the frame out of sight. The walls of the casing are double with air space between, and all the interior surface is bright polished reflecting heat reflectors. All of this insures the minimum loss of heat and most rapid and economical operation.

110 volt carried regularly in stock other voltages made to order, which takes about two weeks

No. 1211 ELECTRIC TOASTER, 500 Watts.
Diameter of base 4½x8 inches $11 50
Be sure to state voltage when ordering

Mission Style Percolator Set Four Pieces Complete Hot Flame Alcohol Lamp

Consists of Percolator, 3 pints or 6 cups. Sugar, 12 ounce, silver lined. Cream, 8 ounce, gold lined. Tray, 10x14 in. with side handles

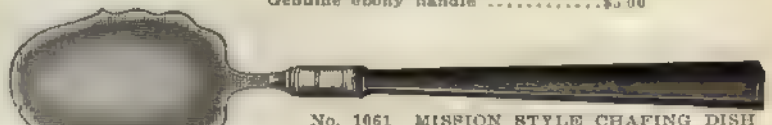
MISSION STYLE PERCOLATOR SET—Four Pieces Complete.
No. 4[illegible] Set complete, nickel plated $35 00
No. 4293C Set complete, solid copper 35 00

Percolator Set Four Pieces Nickel Plated or Solid Copper

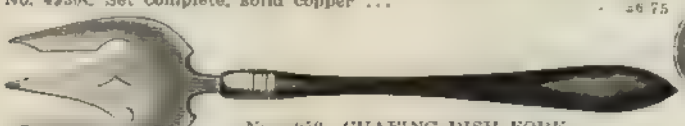
Percolator, 3 pints or 6 cups. Sugar, 10 ounce, gold lined. Cream, 7 ounce, gold lined. Tray, 10x14 in. Hot Flame Alcohol Lamp

COFFEE PERCOLATOR SET—Four Pieces Complete.
No. 493[illegible] Set complete, nickel plated $26 75
No. 4930C Set complete, solid copper ... 26 75

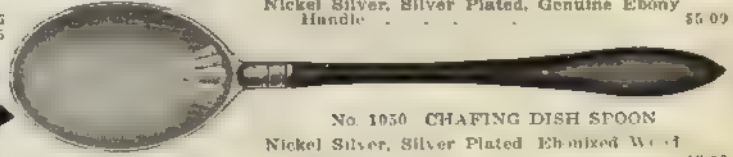
No. 1061 MISSION STYLE CHAFING DISH FORK
Nickel Silver, Silver Plated
Genuine ebony handle $5 00



No. 1061 MISSION STYLE CHAFING DISH SPOON.
Nickel Silver, Silver Plated, Genuine Ebony Handle $5 00

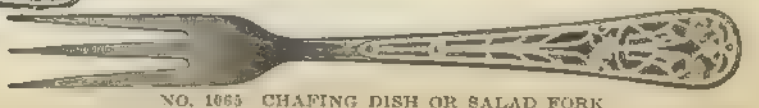


No. [illegible]50 CHAFING DISH FORK.
Nickel Silver, Silver Plated
Ebonized wood handle $3 00



No. 1050 CHAFING DISH SPOON
Nickel Silver, Silver Plated Ebonized Wood Handle ... $3 00

No. 1065 CHAFING DISH OR SALAD SPOON
Olive wood, with nickel plated mounts on handle... ..... $2 50
No. 1065C Same. Copper mounted 2 50



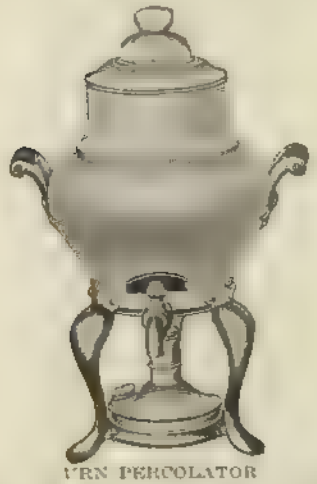
NO. 1065 CHAFING DISH OR SALAD FORK
Olive wood, with nickel plated mounts on handle $2 50
No. 1065C. Same. Copper mounted . 2 50

MANNING-BOWMAN & CO. PERCOLATORS,

Nickel Plated or Solid Copper — Make Delicious Coffee and Save One-Third

Coffee made by the Manning-Bowman method is superior as a beverage as it is distilled and not boiled. By this automatic circulating process the entire strength is extracted. Starting with cold water, pot begins operating almost immediately and perfect coffee will be ready to serve in fifteen minutes. All parts interchangeable and can be replaced separately.

Hot Flame Regulating Lamp

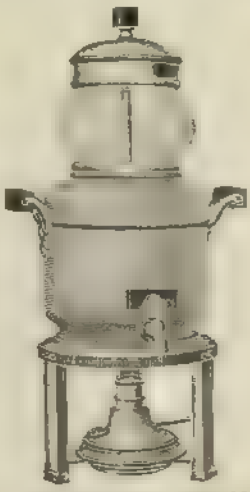


URN PERCOLATOR

No. 4[illegible] 3 pints or 8 cups, nickel plated $11.50
No. 42[illegible] Same. Solid copper 43.50

URN PERCOLATOR

No. 3693 3 pints or 8 cups, nickel plated..$11.00
No. 3694 4 pints or 10 cups, nickel plated.. 16.00
No. 3695 5 pints or 12 cups, nickel plated 18.00



MISSION STYLE URN PERCOLATOR

No.		Price
4993	3 pints or 8 cups, nickel plated	$11.00
42 3C	Same. Solid copper	17.00
42 4	4 pints or 10 cups, nickel plated	16.00
42 4C	Same. Solid copper	25.00

URN PERCOLATOR

No. [illegible] 3 pints or 8 cups, nickel plated $24.00
No. [illegible] Same. Solid copper 40.00
No. [illegible] 4 pints or 10 cups, nickel plated 26.00
No. [illegible] Same. Solid copper 43.00

TEA BALL TEA POTS

The Last Cup as Good as the First.

Best quality imported English Pottery. Glazed, dark brown color. Nickel plated cover, aluminum Tea-Ball. These pots are especially desirable as they combine the Tea-Ball construction with the pottery body. The chain of the Tea-Ball is entirely enclosed in a pocket under the knob, not left hanging loose to bob about when the pot is in use.

Sectional view showing tea Ball Held in cover when tea is ready to serve

No. 870	Tea-ball pot 1¼ pints or 2 cups	$2.50
No. 871	Tea ball pot 2 pints or 5 cups	3.00
No. 872	Tea ball pot 2½ pints or 5 cups	3.50
No. 873	Tea ball pot 3½ pints or 8 cups	4.75

URN PERCOLATOR

No. 4993 3 pints or 8 cups, nickel plated $19.50
No. 4994 4 pints or 10 cups, nickel plated 21.00
No. 4995 5 pints or 12 cups, nickel plated 22.50

NICKEL PLATED PERCOLATOR

No. [illegible] 2½ pints or 6 cups. $5.00
No. [illegible] [illegible] pints or [illegible] cups. [illegible]
No. [illegible] [illegible] pints or [illegible] cups. [illegible]
No. [illegible] [illegible] pints or [illegible] cups. 6.25

NICKEL PLATED PERCOLATOR

No. [illegible] 2 pints or [illegible] cups $5.50
No. 8292 3 pints or 8 cups. 7.00
No. 8293 4 pints or 10 cups 8.00
No. 8294 5 pints or 12 cups 9.00

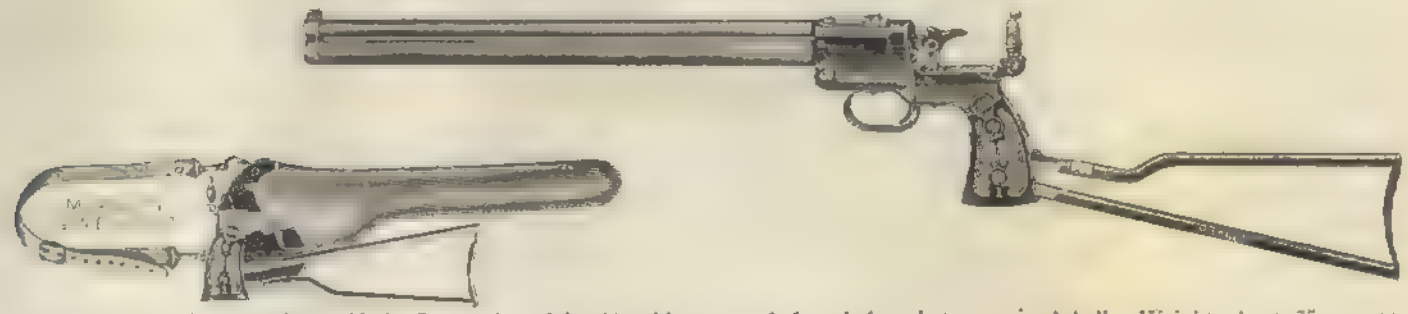
SOLID ALUMINUM PERCOLATOR

No. [illegible] 2 pints or [illegible] cups $7.00
No. 9093 3 pints or 8 cups 8.00
No. 9094 4 pints or 10 cups 9.00
No. 9095 5 pints or 12 cups 10.50

NICKEL PLATED PERCOLATOR

No. 97[illegible] 3 pints or 8 cups $11.00
No. 97[illegible] 4 pints or 10 cups. 12.00

*MARBLE'S GAME GETTER GUN



Upper barrel is .22 caliber, rifled. Lower barrel is .44 caliber, smooth bored for shot or round ball. Weight about 35 ounces. Holster furnished free.

Ammunition for Game Getter Guns

This one gun shoots .22 short, long and L. R., .44 shot and .44 round bullet.
Will shoot C. B. caps, but do not use unless loaded with black powder.
Gun is opened by pulling backward on front of trigger guard. Cannot be "broke" accidentally. Stock adjustable.

SPECIFICATIONS

Barrels, round, blued. Frame, drop forged, blued. Trigger, single. Grips, rubber. Stock, steel tubing nickeled. Holster, finest case leather, brown or black.

No. B12	12 inch barrels, lock leaf sight, "Gold" bead sight and holster	each, $15.00	**22.50**
No. B15	15 inch barrels, lock leaf sight, "Gold" bead sight and holster	each, 16.00	**24.00**
No. B18	18 inch barrels, lock leaf sight, "Gold" bead sight and holster	each, 17.00	**25.50**
No. A12	12 inch barrels, [illegible] rear sight, lock leaf sight, "Gold" bead sight and holster	each, 18.00	**27.00**
No. A15	15 inch barrels, [illegible] rear sight, lock leaf sight, "Gold" bead sight and holster	each, 19.00	**28.50**
No. A18	18 inch barrels, [illegible] rear sight, lock leaf sight, "Gold" bead sight and holster	each, 20.00	**30.00**

.AIR RIFLES

THE KING 1000 SHOT AIR RIFLE

Loads automatically and shoots with accuracy and great penetration. The frame and barrel are one piece of nickeled steel. Black walnut stock and trigger guard. All parts interchangeable. Length 36 inches, weight 5 pounds. Packed 1 dozen in a case. Weight 20 pounds.

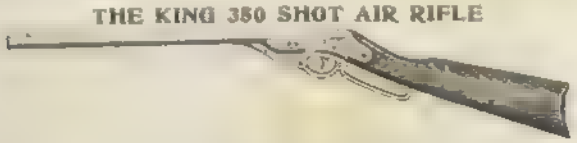
No. 5 Per dozen **$30.00**

THE KING 500 SHOT AIR RIFLE

The nickeled steel barrel and frame are one piece. Polished walnut stock and perfect sights. Lever action and loads automatically. Shoots with great force and accuracy. Length 34 inches. Weight 2½ pounds. Packed 1 dozen in a case. Weight per dozen 18 pounds.

No. 4 Per dozen **$25.00**

THE KING 350 SHOT AIR RIFLE

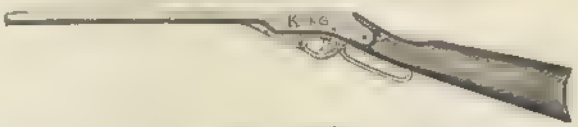


Lever Action

Made of the best grade of nickeled steel, nickeled steel barrel and frame, one piece, walnut stock, open rear sight. Length 31 inches, weight 4 pounds 12 ounces. All parts interchangeable. 350 shot magazine. Packed one dozen in a case, weight 30 pounds.

No. 22 Per dozen **$19.20**

THE KING SINGLE SHOT AIR RIFLE

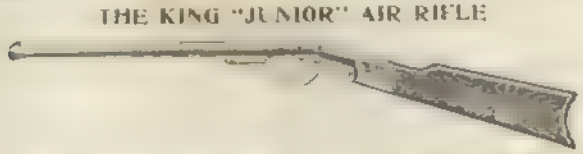


Lever Action

Made of one piece nickeled steel, highly polished. Stock is checked. Lock walnut, length 32 inches. Shoots air rifle shot. Parts. Packed one dozen in a case, weight 30 pounds.

No. 21 Per dozen **$14.40**

THE KING "JUNIOR" AIR RIFLE

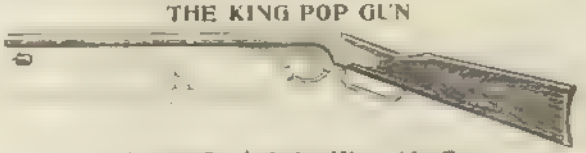


Made of nickel plated steel, walnut stock. Length 29 inches, weight 1 pound 2 ounces. Packed one dozen in a case. Weight 20 pounds.

No. 10 Per dozen **$9.60**

Not carried in stock; can be furnished promptly from factory.

THE KING POP GUN



A Little-Son-of-the-King-Air-Gun

It has Winchester action, one piece nickeled steel barrel and frame, black walnut stock and shoots a cork attached to a cord. Each gun is packed in neat cartons 3 to and 12 dozen to a case. 17 inches long, weight 80 pounds per gross.

No. 15 Per dozen **$4.00**

REVOLVERS

SMITH & WESSON DOUBLE ACTION

5 Shot, .32 and .38 Caliber Center Fire

Double action, rebounding lock, automatic shell extractor

			Rubber Stock	Pearl Stock
.32 caliber, blued, 3 inch barrel, weight 12½ ounces	each,	$24.00	30.00
.32 caliber, blued, 3½ inch barrel, weight 13 ounces	each,	24.00	30.00
.38 caliber, blued, 3¼ inch barrel, weight 17 ounces	each,	26.00	32.50
.38 caliber, blued, 4 inch barrel, weight 17½ ounces	each,	26.00	32.50
.38 caliber, blued, 6 inch barrel, weight 19 ounces	each,	26.00	32.50

Nickel plated $2.00 extra In ordering, state whether nickel plated or blued

SMITH & WESSON NEW DEPARTURE HAMMERLESS

5 Shot, .32 and .38 Caliber Center Fire

Automatic shell extractor, rebounding lock and patent safety attachment.

			Rubber Stock	Pearl Stock
.32 caliber, blued, 3 inch barrel, weight 14¼ ounces	each,	$26.00	32.50
.32 caliber, blued, 3½ inch barrel, weight 14¾ ounces	each,	26.00	32.50
.38 caliber, blued, 3¼ inch barrel, weight 17 ounces	each,	28.00	34.50
.38 caliber, blued, 4 inch barrel, weight 17½ ounces	each,	28.00	34.50
.38 caliber, blued, 5 inch barrel, weight 18½ ounces	each,	28.00	34.50
.38 caliber, blued, 6 inch barrel, weight 19 ounces	each,	28.00	34.50

Nickel plated $2.00 extra In ordering, state whether nickel plated or blued

SMITH & WESSON HAND EJECTOR

6 Shot, .32 Caliber Center Fire

Double action, solid frame, swing out cylinder, rebounding lock and front cylinder lock, checkered stocks

			Rubber Stock	Pearl Stock
.32 caliber, blued, 3¼ inch barrel, weight 17 ounces	each,	$26.00	32.50
.38 caliber, blued, 4½ inch barrel, weight 18½ ounces	each,	26.00	32.50
.38 caliber, blued, 6 inch barrel, weight 20 ounces	each	26.00	32.50

Nickel plated $2.00 extra In ordering, state whether nickel plated or blued

REVOLVERS

SMITH & WESSON MILITARY MODEL 1905

6 Shot, .32 and .38 Caliber Center Fire

Double action, hand ejecting, swing out cylinder, checked wood stock

32 caliber, 4 inch barrel, blued finish, weight 31 ounces	each,	$32.00
32 caliber, 6 inch barrel, blued finish, weight 35 ounces	each,	32.00
38 caliber, 4 inch barrel, blued finish, weight 29 ounces	each,	32.00
38 caliber, 6 inch barrel, blued finish, weight 31 ounces	each,	32.00

The .32 caliber shoots .32 W. & S. cartridges and the .38 caliber shoots .38 S. & W. Special, or .38 long Colt cartridges.

SMITH & WESSON MILITARY AND POLICE MODEL 1902

6 Shot, .38 Caliber Center Fire

Double action, hand ejecting, swing out cylinder, rebounding lock.

		Rubber Handle	Pearl Handle
.38 caliber, 4 inch barrel, blued finish, weight 29 ounces	each,	$30.00	38.00
.38 caliber, 6 inch barrel, blued finish, weight 31 ounces	each	30.00	38.00

This revolver shoots .38 S. & W. Special or .38 long Colt cartridges.

REVOLVERS

IVER JOHNSON'S

AUTOMATIC, SAFETY HAMMER

For .32 Caliber Rim Fire, .32 and .38 Caliber S. & W. Center Fire Cartridges

.32 caliber, S. & W. center fire, 5 shot, 3 inch barrel, nickel plated, each	$8.00
Blued, each	8.50
.38 caliber, S. & W. center fire, 5 shot, 3½ inch barrel, nickel plated, each	8.00
Blued, each	8.50
Extra for long barrel, 4 inches, each	.50
Extra for long barrel, 5 inches, each	1.00
Extra for long barrel, 6 inches, each	1.50

AUTOMATIC, SAFETY HAMMERLESS

For .32 Caliber Rim Fire, .32 and .38 Caliber S. & W. Center Fire Cartridges

.32 caliber, S. & W center fire, 5 shot, 3 inch barrel, nickel plated, each	$9.00
Blued, each	9.50
.38 caliber, S. & W. center fire, 5 shot, 3½ inch barrel, nickel plated, each	9.00
Blued, each	9.50
Extra for long barrel, 4 inches, each	.50
Extra for long barrel, 5 inches, each	1.00
Extra for long barrel, 6 inches, each	1.50

U. S. HAMMER AUTOMATIC EJECTOR

For .32 and .38 S. & W. Center Fire Cartridges

U. S. .32 caliber, 5 shot, 3 inch barrel, nickel plated, each	$5.50
U. S. .32 caliber, blued, each	6.00
U. S. .38 caliber, 5 shot, 3 inch barrel, nickel plated, each	5.50
U. S. .38 caliber, blued, each	6.00

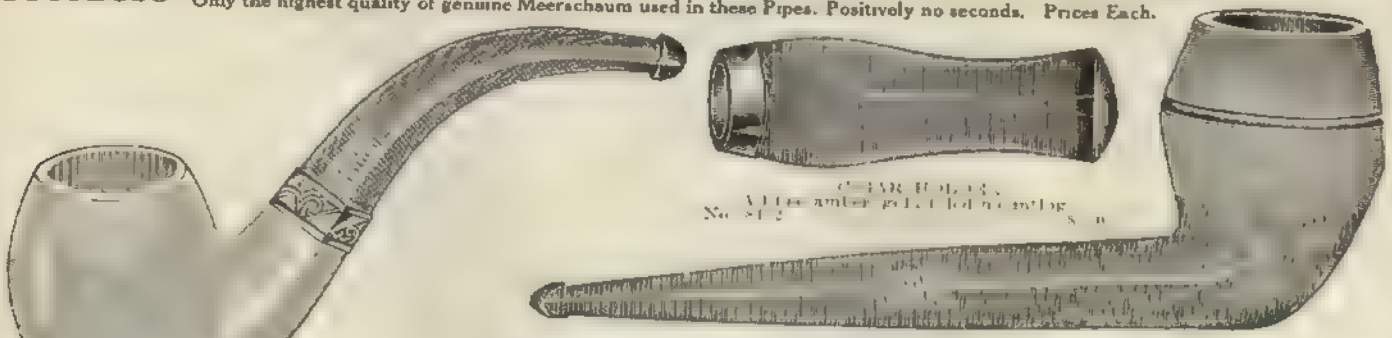
U. S. HAMMERLESS, AUTOMATIC EJECTOR

For .32 and .38 S. & W. Center Fire Cartridges

U. S. .32 caliber, 5 shot, 3 inch barrel, nickel plated, each	$6.50
U. S. .32 caliber, blued, each	7.00
U. S. .38 caliber, 5 shot, 3 inch barrel, nickel plated, each	6.50
U. S. .38 caliber, blued, each	7.00

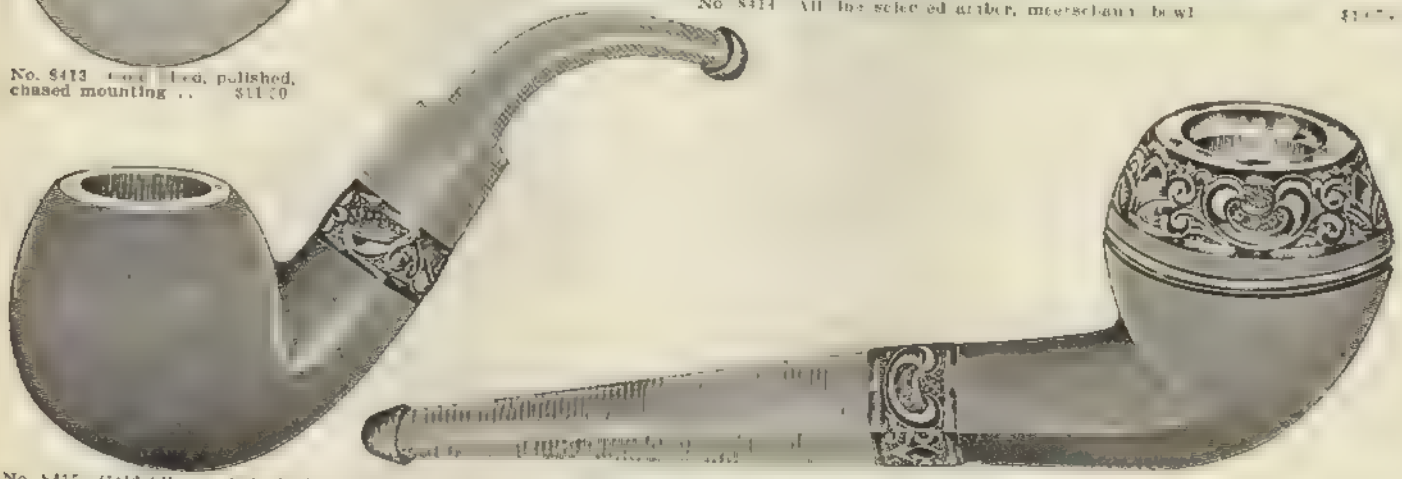
Finest Quality Genuine Meerschaum Pipes, Cigar and Cigarette Holders

Fine Selected Genuine Amber Stems. Put up in Fine Plush Lined Leather Cases. Illustrations are exact size. Only the highest quality of genuine Meerschaum used in these Pipes. Positively no seconds. Prices Each.



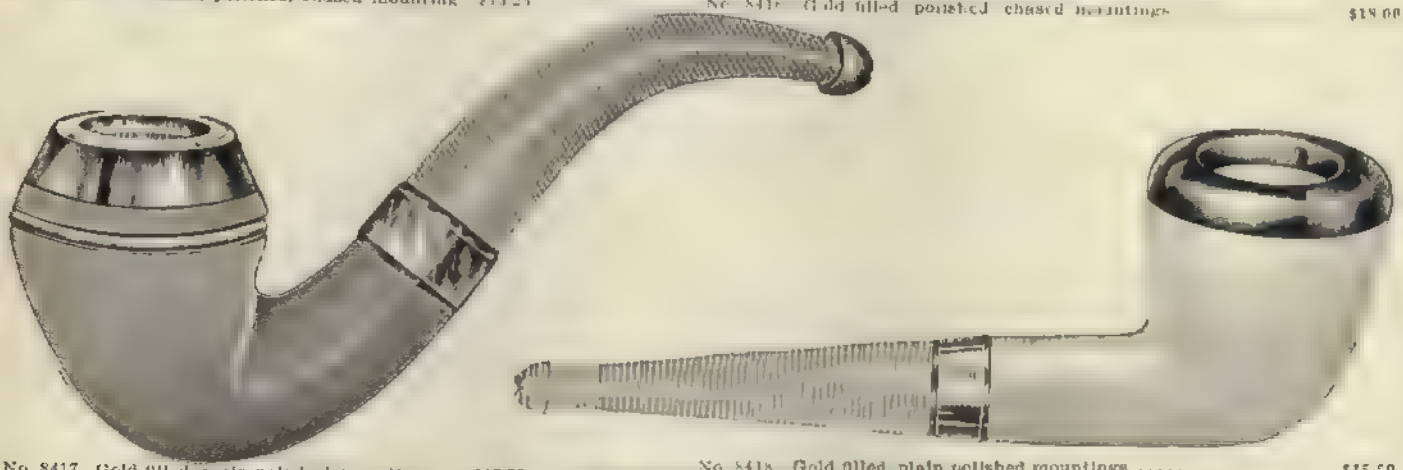
No. 8414 All fine selected amber, meerschaum bowl $[illegible]

No. 8413 [illegible] polished, chased mounting .. $11.50



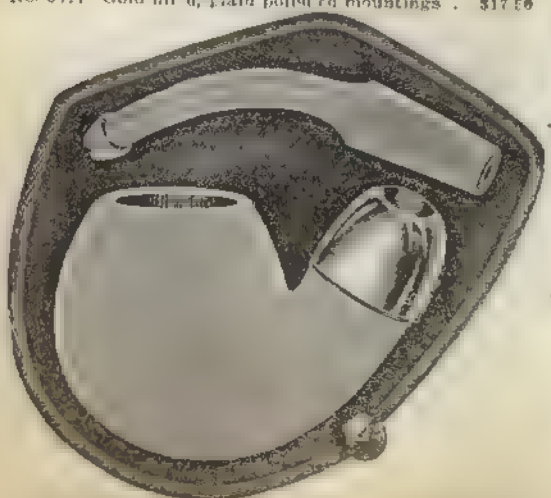
No. 8415 Gold filled, polished, chased mounting $13.25

No. 8416 Gold filled polished chased mountings $18.00



No. 8417 Gold filled, plain polished mountings . $17.50

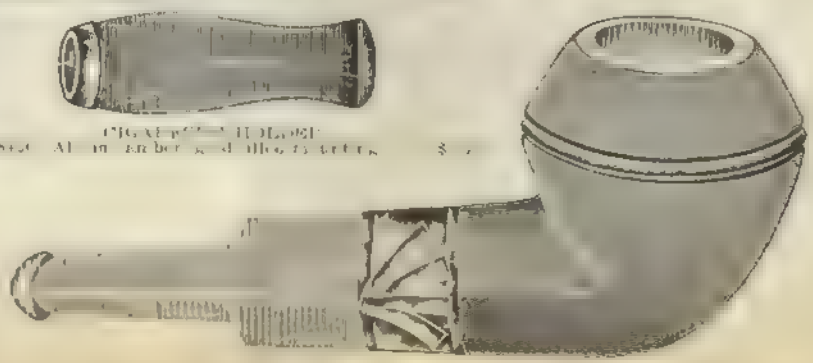
No. 8418 Gold filled, plain polished mountings $15.50



No. 8419 [illegible] polished amber sterling silver [illegible] mountings $6.75

CIGARETTE HOLDER

No. 8420 All fine amber, gold filled mountings $[illegible]

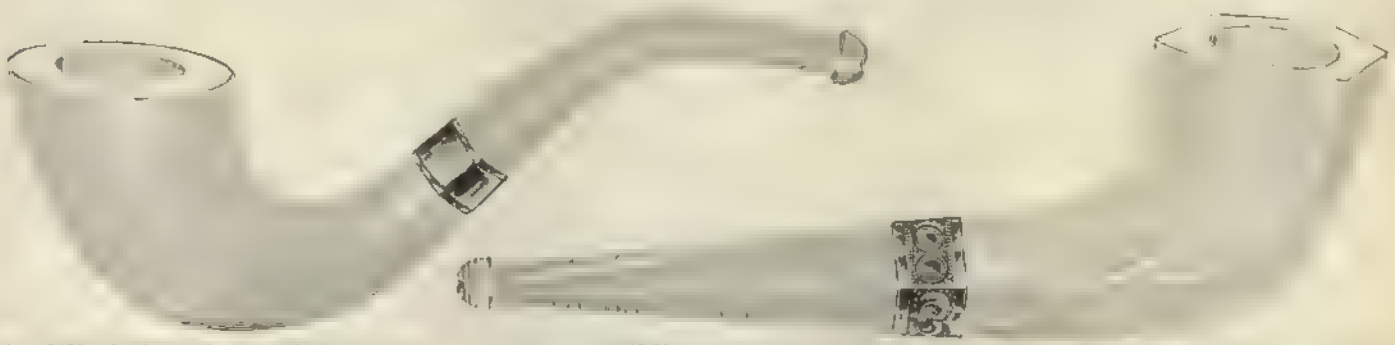


No. 8421 [illegible] mounting, detachable stem .. .. .. $[illegible]

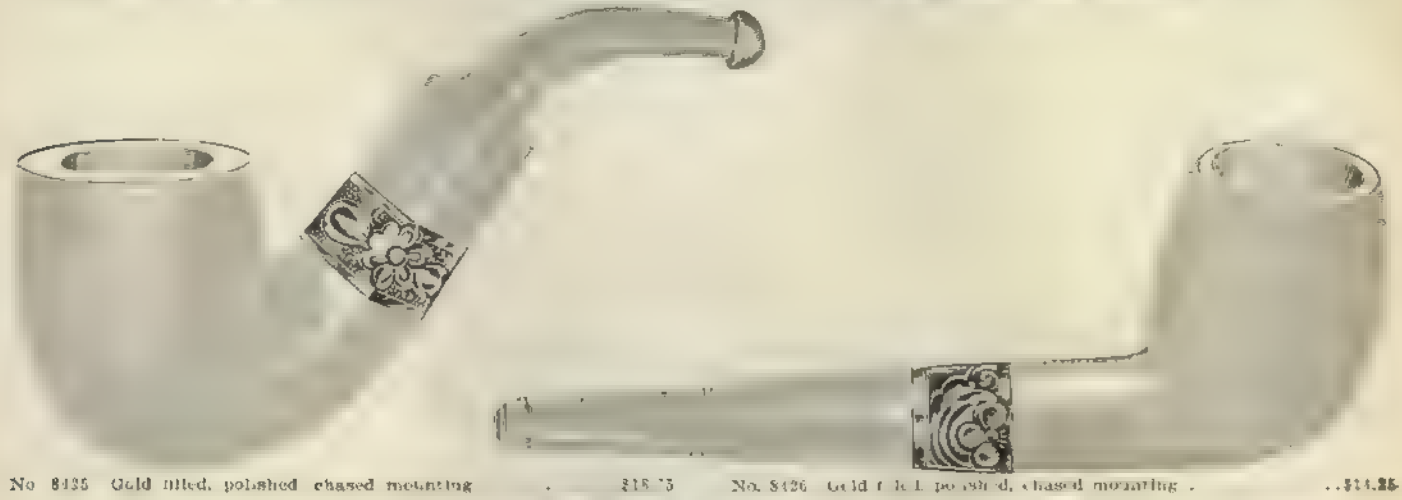
No. 8422 Gold filled Roman finish, assorted mounting .. $15.50

Finest Quality Genuine Meerschaum Pipes and Cigar Holders

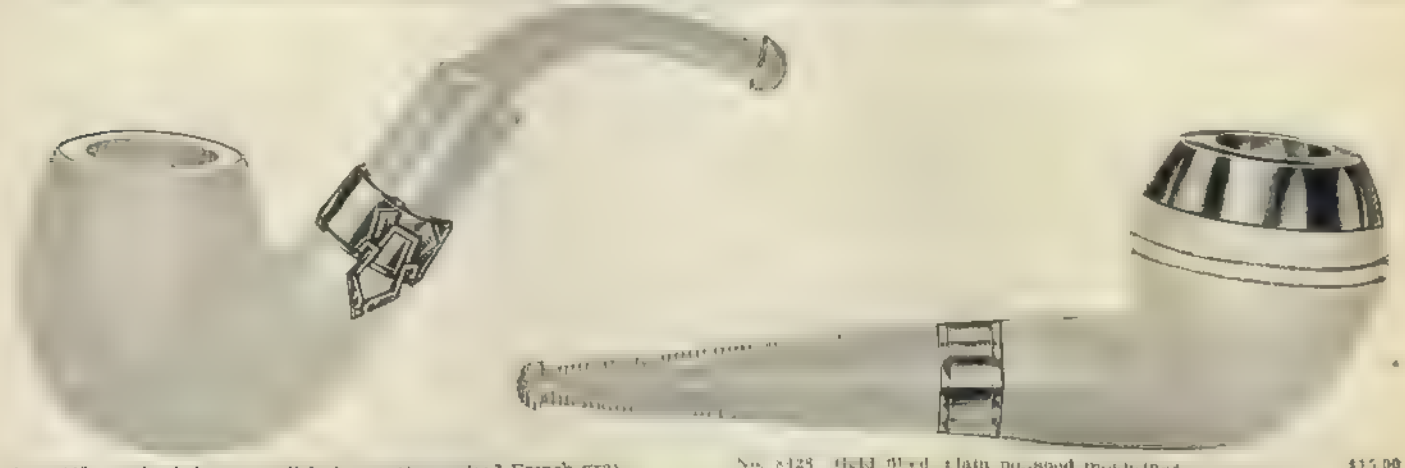
Fine Selected Genuine Amber Stems — Put Up in Fine Plush Lined Leather Cases — Illustrations are Exact Size
Only the Highest Quality of Genuine Meerschaum Used in These Pipes — Positively No Seconds — PRICES EACH



No. 8423 Sterling silver polished mounting ..... $17.50 — No. 8424 Gold filled, polished chased mounting $14.75

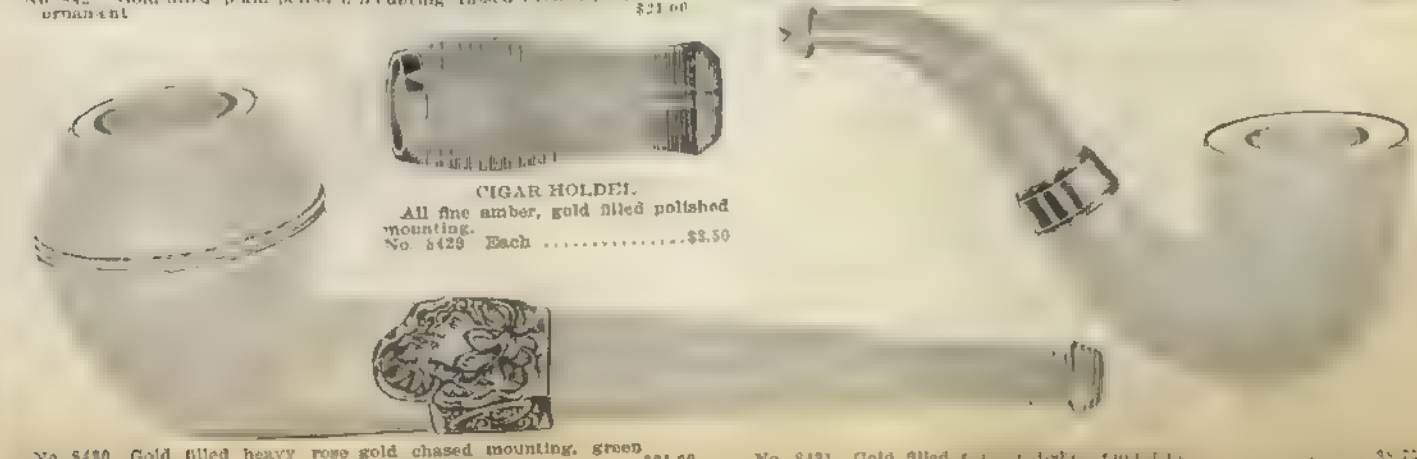


No. 8425 Gold filled, polished chased mounting ..... $15.75 — No. 8426 Gold filled, polished, chased mounting $14.25



No. 8427 Gold filled plain polished mounting, raised French gray ornament ..... $21.00 — No. 8428 Gold filled plain polished mountings $17.00

CIGAR HOLDER.
All fine amber, gold filled polished mounting.
No. 8429 Each $2.50



No. 8430 Gold filled heavy rose gold chased mounting, green gold embossed ornament ..... $21.00 — No. 8431 Gold filled [illegible] ..... $[illegible]

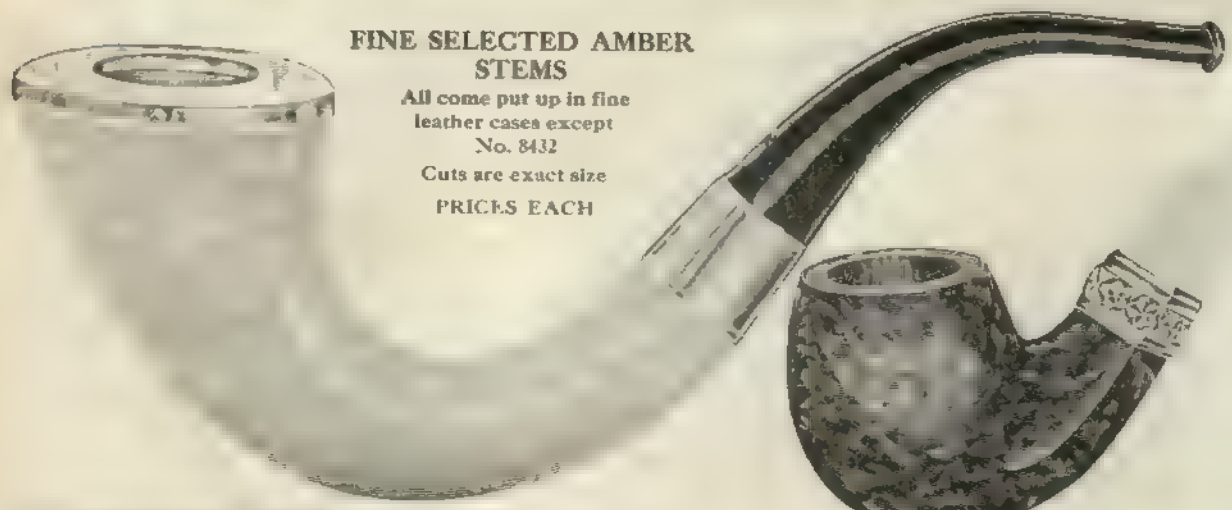
Finest Quality Genuine French Briar and Calabash Pipes

FINE SELECTED AMBER STEMS

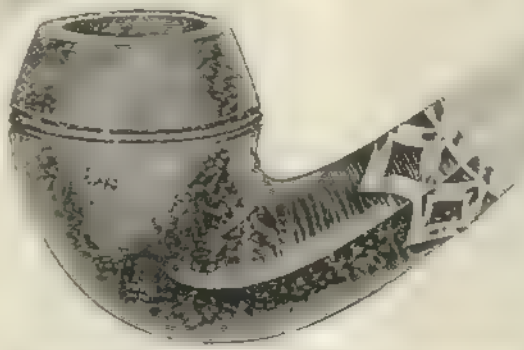
All come put up in fine leather cases except No. 8432

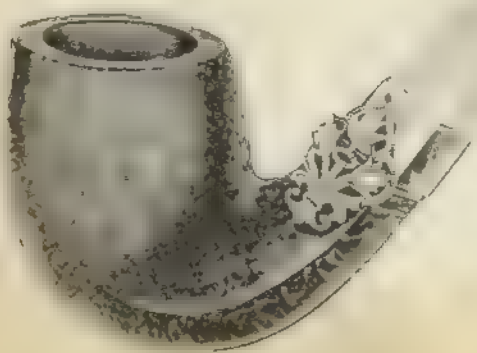
Cuts are exact size

PRICES EACH



Gold filled, polished, chased mounting
No. 8431 ..... $4.50





gold mountings.
.....$7.50

Gold filled, polished mountings
No. 8429 .....$6.50

Finest Quality Genuine French Briar Pipes

Fine Selected Amber Stems. · Put up in fine Plush Lined Leather Cases

Illustrations are exact size. PRICES EACH

Gold filled polished chased mounting.

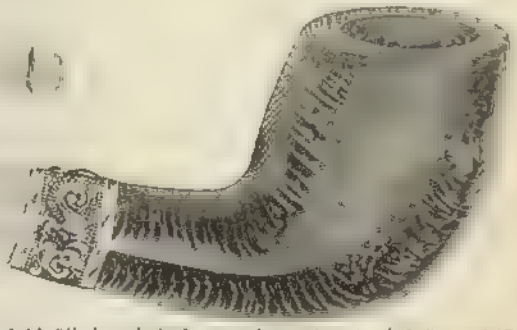
No. 8440 ... $4.00

Sterling silver polished mounting.

No. 8441 ... $5.50

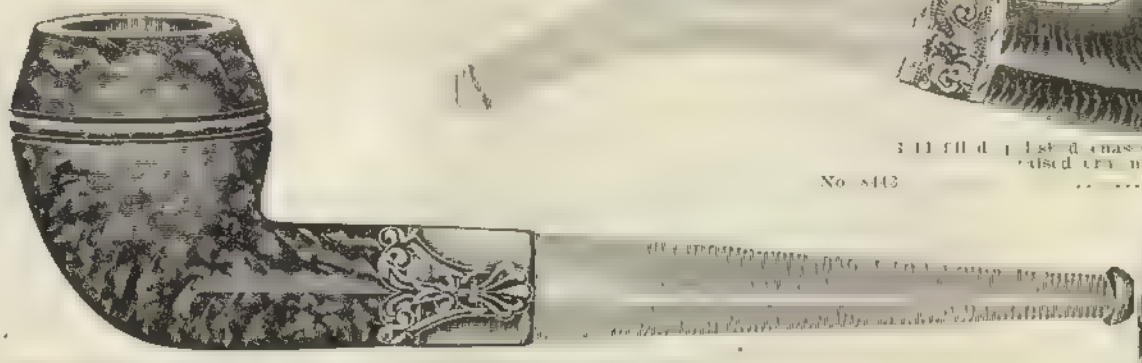
Gold filled, polished mounting, sterling silver raised ornaments.

No. 8442 ... $6.50



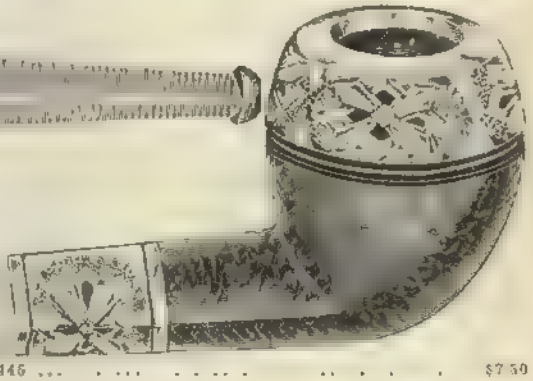
Gold filled polished chased trimmings, sterling silver raised ornaments.

No. 8443 ... $7.50



Sterling silver, gold plated, Roman and rose gold finish mounting, raised ornaments.

No. 8444 ... $7.50



Gold filled polished chased trimmings. No. 8445 ... $7.50

The New Bakelite Stem Pipes

Tasteless Non-Inflamable Odorless

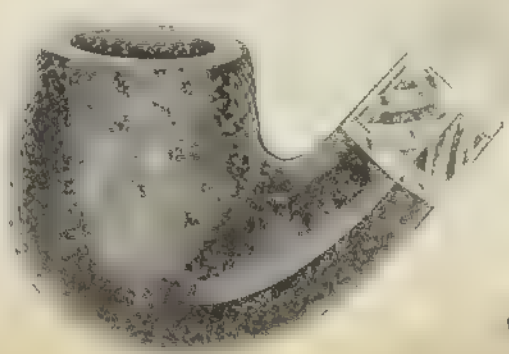
Stronger and more Brilliant than Amber

Put up in fine Plush Lined Leather Cases

Illustrations are exact size

All genuine Bakelite stems have German silver trimmed ... to protect ... so that it can ... Walrus or Cork.

No. 8446 ... $2.25



"Bakelite" sterling silver polished mounting.

No. 8446 ... $5.50

Bakelite gold filled polished chased mountings

No. 8448 ... $8.00

TOOL CASES

KENNEDY ALL-STEEL

For Mechanics, Repair Men, Garage Men, Electricians, Railroad Men, Etc.

Water-Proof, Wear-Proof, Fire-Proof.

Made of 26 Gauge Prepared Steel Throughout, Reinforced Throughout by Double Forming and Double Seaming, Wired, Braced and Riveted.

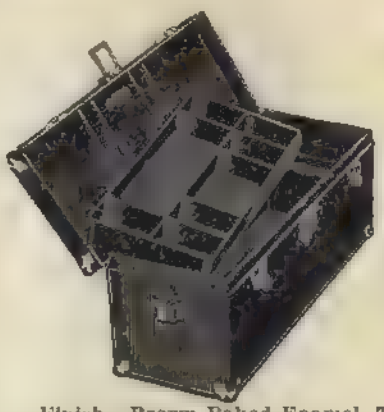
Finish—Brown Baked Enamel, Three Coats.

Fittings—Solid Brass Corners, Side Catches, Yale Notch Lock, Genuine Leather Covered Handle with Steel Core, Tray Made of Light Weight Steel

With Tray.

Nos.	114-XT	116-DDT	118-DT
Outside Inches	14x7x9	16x9x11	18x10x13
Net Weight Each, Lbs	5¼	6¼	7½
Each	$4.25	4.50	4.75

Shaped like a leather bag and equipped with tray divided into small partitions for carrying drills, bits, etc.



For Electricians, Wiremen, Metermen, Linemen, Etc.

Water-Proof, Wear-Proof.

Made of 26 Gauge Steel Throughout, Reinforced Throughout by Double Forming and Double Seaming, Wired, Braced and Riveted.

Finish—Brown Baked Enamel, Three Coats

Fittings—Solid Brass Corners, Side Catches, Yale Notch Lock, Leather Covered Steel Handle

With Tray.

Nos.	310-ENT	321-EOT
Outside Size, Inches	19x8x9	21x8x9
Net Weight Each, Lbs	7¼	8½
Each	$4.50	4.75

These Cases have divided spacing at one end for blow torch, and ledge rests at top of grip for tray to carry drills, bits, etc. They have ample space at bottom for heavy tools, etc. They are fitted with loops at each end for straps to pass under the case and over the shoulder for carrying heavy loads.

TOOL BOXES

HANDY, COMPLETE

Handle on Top, Box Hinges, Trunk Clasps and Lock, Easily Portable.

Especially Adapted for Household Use.

Each

No. 1005 Consists of 22 Tools as Described Below, Put up in a 22x7½x8 in. Nicely Finished Box, Average Weight Each 17 Lbs. $13 00

CONTENTS OF No. 1005 BOX

1 Saw, 16 in.	2 Auger Bits	1 Steel Hammer	1 Try Square
1 Brace	1 Screw Driver	1 Chisel	10 Tools in Tool Holder
2 Gimlet Bits	1 Rule	1 Nail Set	

Four in a Crate.

Weight Per Crate 57 Pounds.

EMPTY TOOL CHESTS

Nos. 200 and 230

Strongly Made of Selected Chestnut.

Filled and Varnished.

With Tray, Lock and Key.

No.	200
Inside Measurements, Inches	15x6½x5
Average Weight Each, Lbs.	5½
Each	$4 00
No.	230
Inside Measurements, Inches	20x9½x7½
Average Weight Each, Lbs.	12
Each	$5 50

Four in a Crate

CARPENTERS' SHOULDER

Made of selected hardwood, has two drawers in bottom, 15⅝ in. long, 8⅜ in. wide and 1⅝ in. deep (inside measurements). Corners are not dovetailed as shown in cut.

Each drawer is provided with a flush pull. The receptacle above drawers is 33 in. long, 9½ in wide and 5⅝ in. deep and will take a 28 in. rip saw

Has place in lid for saws; strong spring lock; two brass trunk clasps to hold lid; strong lifting handles and a locking device that fastens drawers by closing lid.

Each

No. 30—Carpenters' Shoulder Tool Chest, Net Weight Each About 21 Lbs..... $11.75

Four in a Crate
Weight Per Crate 120 Pounds.

No. 30.

ELECTRICIANS'

No. 1000.

This is a Portable Tool Chest and can be conveniently carried in the hand.

Made of chestnut, with locked corners, filled and varnished.

Has lock, box hinges, brass plated elbow to support lid when open, brass plated lifting handle and two trunk clasps to hold lid in place when carried by hand

Each

No. 1000—17 in. Long, 5½ in. Wide, 5 in. Deep. Inside Measurements, Net Weight Each 4¼ Lbs $3 30

Four in a Crate.
Weight Per Crate 35 Pounds

EMPTY TOOL CHESTS

PILLIOD

General Description.

Body—Quartered Selected White Oak **Finish**—Dark Golden. **Fittings** All Polished Lacquered Brass **Drawers** Bottoms Felt Lined, Sides Shellacked **Lock**—Cylinder Brass Lock with Two Keys. **Handle**—High Grade Soft Leather **Door** Hinges on Bottom with Tongue and Groove, Can be Removed and Slid Under Bottom Drawer

Quartered Oak.

Each

No. 5—5 Drawers, Outside Dimensions 7⅛ in. Deep, 9 in. High, 14⅛ in. Long; Drawers Inside 12⅝ in. Long, 5⅛ in. Deep; Height of Drawers Inside, 1st ⅞ in., 2nd 1 in., 3rd 1⅛ in., 4th 1¼ in. and 5th 1⅝ in., Wt. Each Boxed 12 Lbs. . . **$10.00**

No. 10—5 Drawers, Outside Dimensions, 8 in. Deep, 10½ in. High, 16½ in. Long, Drawers Inside 14⅝ in. Long, 5⅝ in. Deep, Height of Drawers Inside, 1st and 2nd 1 in., 3rd 1¼ in., 4th 1½ in. and 5th 2½ in., Weight Each Boxed 15 Lbs **11.00**

No. 20—5 Drawers, Outside Dimensions, 8⅛ in. Deep, 11 in. High, 18 in. Long; Drawers Inside, 16⅛ in. Long, 6⅛ in. Deep; Height of Drawers Inside, 1st and 2nd 1 in., 3rd 1¼ in., 4th 2 in. and 5th 3 in., Weight Each Boxed 18 Lbs. **18.00**

Quartered Oak.

Each

No. 15—6 Drawers, Outside Dimensions 8 in Deep, 10⅛ in. High, 16½ in. Long; Drawers, 1st, 2nd and 3rd 6⅝ in. Long, 4th, 5th and 6th 14⅝ in. Long; Depth of all Drawers Inside 5⅝ in.; Height of Drawers Inside, 1st 2¼ in., 2nd and 3rd 1 in., 4th 1¼ in., 5th 1½ in. and 6th 2½ in., Weight Each Boxed 15 Lbs. . . **$12 00**

No. 25 6 Drawers, Outside Dimensions 8⅛ in. Deep, 11 in. High, 18 in. Long; Drawers Inside, 1st, 2d and and 3rd 7⅞ in. Long, 4th, 5th and 6th 16⅛ in. Long; Depth of All Drawers Inside 6⅛ in.; Height of Drawers Inside, 1st 2¼ in. 2d and 3rd 1 in., 4th 1¼ in., 5th 2 in. and 6th 3 in , Weight Each Boxed 18 Lbs. **18.50**

Quartered Oak.

Each

No. 35—8 Drawers, Outside Dimensions 9½ in. Deep, 12 in. High, 20 in. Long; Drawers Inside, 1st, 2d, 3rd, 4th and 5th 8⅝ in. Long, 6th, 7th and 8th 18⅛ in. Long; Depth of All Drawers Inside 7 in.; Height of Drawers Inside, 1st 1¼ in., 2d 2 in., 3rd and 4th ⅞ in., 5th 1¼ in., 6th 1⅛ in., 7th 1¾ in. and 8th 2¾ in., Weight Each Boxed 23 Lbs. **$15 00**

No. 36 8 Drawers, Outside Dimensions 9½ in. Deep, 13 in. High, 26 in. Long; Drawers Inside, 1st, 2d, 3rd, 4th and 5th 11⅞ in. Long, 6th, 7th and 8th 24⅛ in. Long, Depth of All Drawers Inside 7 in., Height of Drawers Inside, 1st 1¼ in., 2d 2 in., 3rd and 4th ⅞ in., 5th 1¼ in., 6th 1⅛ in., 7th 1¾ in. and 8th 2¾ in., Weight Each Boxed 25 Lbs. **17 00**

Leather Covered, Mahogany Finished Drawer Fronts and Door, Heavily Brass Plated Fittings.

Each

No. 40—7 Drawers, Outside Dimensions, 8 in. Deep, 11¼ in. High, 20 in. Long; Drawers Inside, 1st 2d, 3rd and 4th 8⅜ in Long, 5th, 6th and 7th 18⅛ in Long, Depth of all Drawers Inside 6⅛ in.; Height of Drawers Inside, 1st and 2d ¾ in , 3rd 4th and 5th 1¼ in 6th 1¾ in and 7th 2¾ in , Weight Each Boxed 13 Lbs. **$11 00**

Quartered Oak.

Till Top, Fitted with Mirror.

Door Locks Automatically when Top is Closed.

Has Hook Bolt Lock.

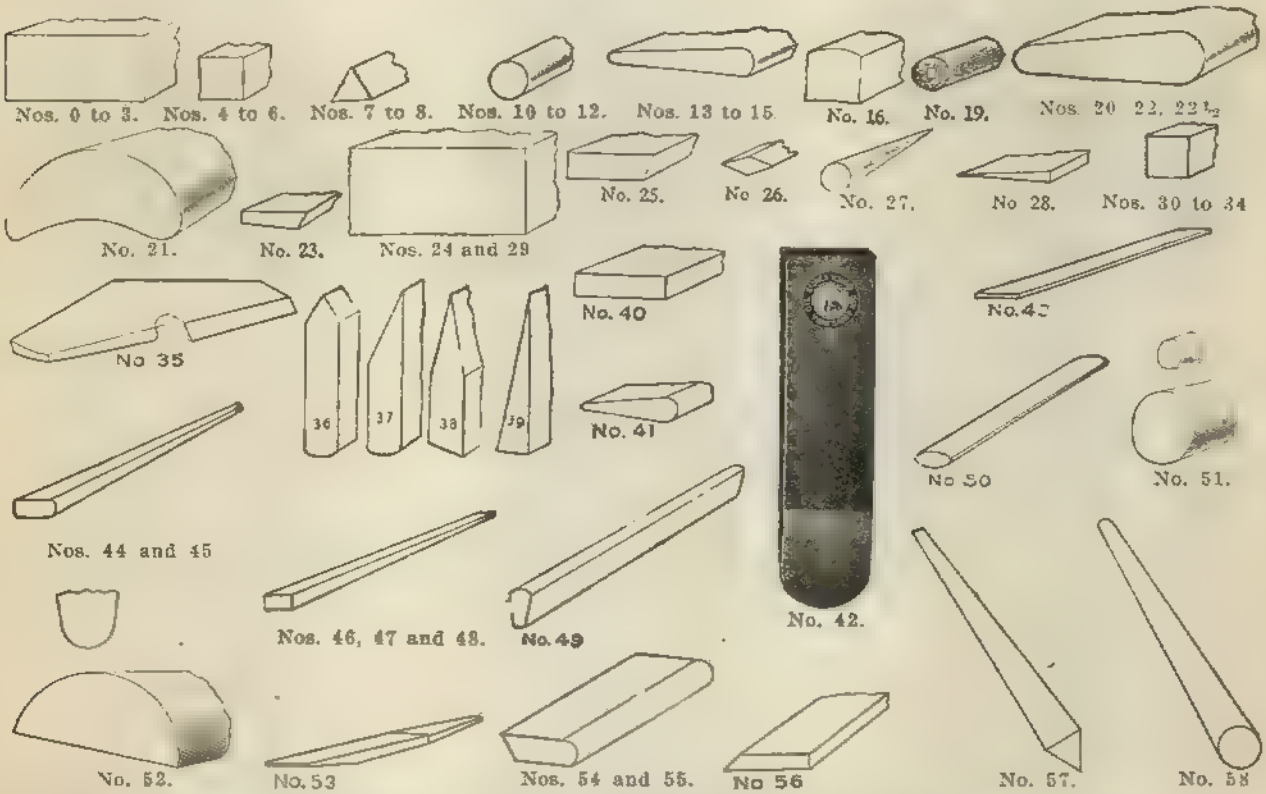
Each

No. 50—7 Drawers, Outside Dimensions, 8½ in. Deep, 12⅝ in. High, 16½ in. Long; Till Inside Dimensions, 15½x7⅝x3 in.; Drawers Inside, 1st, 2d, 3rd, 4th and 5th 6⅝ in. Long, 6th and 7th 14⅝ in Long, Depth of all Drawers Inside 6⅛ in., Height of Drawers Inside, 1st 1¼ in., 2d 2 in., 3rd and 4th, ⅞ in., 5th 1¼ in., 6th 1⅛ in and 7th 1¾ in , Weight Each Boxed 16 Lbs. **$16.00**

INDIA OILSTONES

India Oilstones possess the characteristics of hardness, sharpness and toughness and in addition they also possess absolute uniformity. They are especially adapted to the quick sharpening of all tools

All India Stones are filled with oil This feature insures a moist oily sharpening surface, with the use of very little oil.



Above Illustrations Show the Shapes of the Different Stones.

Coarse, Medium and Fine.

Note—When Ordering, Always State if Coarse, Medium or Fine Stones are Wanted

Nos.	Dimensions, Inches	Each	Nos.	Dimensions, Inches	Each	Nos	Dimensions, Inches	Each
0	8x2x1	$1 25	20	4x1x	$0 40	41	5x1x	$0 50
1	8x1 ¾ x1 ½	1 25	*21	6x2x1x	1 60	42	4x1x¼	45
1½	7x2x1	1.00	22	4⅛x2⅛x⅝x	.60	43	4x½x	.60
2	6x1 ⅝ x ¾	60	22½	6x2 ¼ x ⅝ x ⅜	.80	44	4x½ x¼ x ⅝x⅛	.60
3	4x1x½	.35	23	3½x⅝x	.35	45	4x	60
4	4x½x½	35	24	4½x1½x⅝	.50	46	4x½x¼x	60
5	4x⅜x⅜	.35	25	4½x1x	.35	47	4x½x	60
5½	4x	.35		Reamer Stone		48	4x⅜x	60
6	4x¼x¼	.35	26	4x	.60	49	4x	.60
7	4x½x½	.45	27	Points 3x	.60	50	3½x	60
8	4x⅜x⅜	.45	28	4x1x⅛	.50	51	Oval Plug 6x⅞x	.75
8½	4x	.45	29	6x2x1	.75	†52	Heel Breasting Stone	50
9	4x¼x¼	.45	30	6x⅜x⅜	50	53	Automobile Stone	.45
10	4x½	50	31	6x½x½	50		Auto Stone in Case	70
11	4x⅜	.50	32	6x⅝x⅝	50	54	8x2x¾ (High Round)	1.00
11½	4x	.50	33	6x¾x¾	.60			
12	4x¼	.50	34	6x1x1	60	54½	5x1½x½	75
13	4½x1¾x½x	50	35	Both Universal Slip (India Only)	1 75	55	4x1½x½ (High Round)	.60
14	4½x1¾x⅜x⅛	.50						
15	4½x1¾x¼x	.50	36	1 Set (4) Carvers' Slips	1.20	56	5x1x (Reamer Stone	40
16	8x⅞x⅝	75	37					
19	Engravers' Pencils Fine one end, medium the other	.45	38	2¼x¾x		56½	6x1x¼ (Reamer Stone)	.60
			39					
			40	2x1x¼	.30	57	4x½x¼	.60
						58	4x½x¼	.60

*No. 21 made in Special Fine only.

†No. 52 made in Medium Fine only.

IMPORTED POCKET KNIVES.

W. H. MORLEY & SONS' CLOVER LEAF BRAND.

BLADES MADE FROM ENGLISH STEEL.

No. 5027

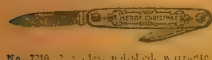
Two Blades, Warranted English Steel, Glazed, Ivory Grain Celluloid Handle, Stamped Letters, Brass Lining.

No. 5027. Length 3 . . . per dozen ..... **EDJ** $9.00

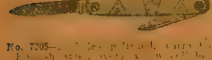
No. 5171. Length 3½ in., ivory grain celluloid handle, stamped letters, brass lining, two blades—one large eraser, with special shank designed for pencil sharpening and one large regular blade ground, warranted English steel ....per dozen **EDJ** $9.00

No. 7201—2 blades, polished, warranted English steel, ivory grain celluloid handle, with Modern Woodmen emblem stamped on one side, brass lined, length 3¼ in., per dozen ..... **J F J J** $10.00

No. 7249—2 blades, polished, warranted English steel, ivory grain celluloid handle, with Modern Woodmen emblem stamped on one side, brass lined, length 3¼ in., per dozen **J F J J** $10.00



No. 7210—2 blades, polished, warranted English steel, ivory grain celluloid handle, Modern Woodmen emblem stamped on one side, Merry Christmas and Happy New Year stamped on reverse side, brass lined, length 3¼ in., per dozen **J F J J** $10.00



No. 7205—2 blades, polished, warranted English steel, ivory grain celluloid handle, with Modern Woodmen emblem stamped on one side, brass lined, length 3¼ in., per dozen ..... **J F J J** $10.00

No. 7202—2 blades, polished, warranted English steel, ivory grain celluloid handle with Odd Fellow's emblem stamped on one side, brass lined, length 3¼ in., per dozen ..... **J F J J** $10.00

No. W7203—2 blades, polished, warranted English steel, ivory grain celluloid handle with Masonic emblem stamped on one side, brass lined, length 3½ in., per dozen ..... **J F J J** $10.00

No. 5162—Length 3¼ in., gun metal handle, thin pattern, two blades—one large pen and one small pen—warranted English steel, full crocus polished .....per dozen **EDJ** $9.00

No. 5164—Length 3¼ in., German silver handle, thin pattern, two blades—one large pen and one small pen—warranted English steel, full crocus polished .....per dozen **EDJ** $9.00

No. 5091.

Turn Ring Knives, 2 Blades, Polished, Warranted Steel, Brass Lining, German Silver Bolsters, Length 3¼ Inches.

No. 5091—Stag handle, per dozen ..... **J F J J** $10.00

No. 5092 Ivory grain celluloid handle, per dozen ..... **J F J J** $10.00

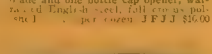
No. 5093 Turn ring knife, 2 blades, polished, warranted English steel, brass lining, German silver bolsters and turn rings, length 3¼ in., imitation tortoise shell handle, per dozen .....**J F J J** $10.00

Turn rings are opened by means of a ring, which is attached to the knife.

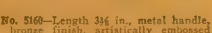
ONE-HALF DOZEN IN A BOX.

No. 5028—Length 3½ in., oxidized brass handle, two blades, polished, warranted English steel, per dozen ..... **EDJ** $9.00

No. 5161—Length 3¼ in., thin pattern, German silver handle, one large spear blade and one bottle cap opener, warranted English steel, full crocus polished ..... per dozen **J F J J** $16.00



No. 5160—Length 3¼ in., metal handle, bronze finish, artistically embossed . . . one large spear blade and one bottle cap opener, full crocus polished . . . per dozen. **J F J J** $9.00

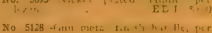


No. 5095.

Turn Ring Knives, 2 Blades, Polished, Warranted English Steel, All Metal Handle, Without Lining, German Silver Turn Rings, Length 3¼ Inches.

No. 5095—Nickel plated handle per dozen ..... **EDJ** $9.00

No. 5128—Gun metal handle, per dozen ..... **EDJ** $9.00

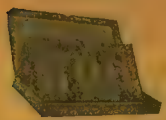


No. 5163—Length 3¼ in., gun metal handle, thin pattern, with German silver toggle, 2 blades—1 large pen and 1 small pen, full crocus polished, per dozen ..... **J F J J** $11.00

ONE-HALF DOZEN IN A BOX.

IMPORTED POCKET KNIVES.

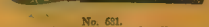
MISCELLANEOUS.



No. 5129—Assortment consists of six thin knives, fancy pearl handles and pearl backs, German silver lining, length 2¼ and 2⅝ in., crocus polished, with plush covered easel display, per assortment ..... JFJ $16.00

No. 5154—Assortment consisting of one-half dozen W. H. Morley & Sons thin pattern vest pocket knives, length 3 in., gun metal handles, decorated with lodge emblems in colors, assorted one each Shriners, Elks, Odd Fellows, Modern Woodmen of America, Masons and Knights of Columbus, two blades—one large pen and one extra fine patent nail file—full crocus polished, put up on a handsome red plush display easel,
per assortment ..... EDJ $9.00
ONE ASSORTMENT IN A BOX.

INK ERASERS.



No. 631.

No. 631 GREY-Ebony handle, per dozen ..... CFJ $6.00
No. 1631—Westenholm's, IXL, ebony handle, crocus polished,
per dozen ..... JFCJ $10.50
ONE-HALF DOZEN IN A BOX.

W. H. MORLEY & SONS.

No. 5179—Two blades, polished, warranted English steel, smoked pearl celluloid handle, German silver lining, milled back, length 3 in., per dozen ..... EDJ $9.00

No. 5180—Two blades, polished, warranted English steel, smoked pearl celluloid handle, German silver lining, milled back, German silver shackle, length 3 in.,
per dozen ..... EDJ $9.00
ONE-HALF DOZEN IN A BOX.

W. H. MORLEY & SONS' CLOVER LEAF BRAND.
BLADES MADE FROM ENGLISH STEEL.

Physicians' Knife, 2 Blades, Polished, Warranted English Steel, Brass Lining, German Silver Bolster and Cap, Length 3½ Inches.
No. 5071—Stag handle,
per dozen ..... EGJ $9.50
No. 5072—Buffalo horn handle,
per dozen ..... JFJJ $10.00

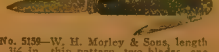
No. 5256.

Two Blades, Full Polished, Warranted English Steel, Brass Lined, German Silver Tips, Length 2¾ Inches.
No. 5256—Stag handle,
per dozen ..... EDJ $9.00
No. 5257—Bronze—celluloid—handle, per
per dozen ..... EDJ $9.00

No. 5252—Three blades, polished, warranted English steel, brass lined, German silver bolsters, stag handle, length 3½ in., per dozen EDJ $9.00

No. 5254—Three blades, polished, warranted English steel, brass lined, German silver tips, stag handle, length 3 in. ....per dozen EDJ $9.00

No. 5253—Four blades, polished, warranted English steel, brass lined, German silver tips, stag handle, length 3 in. ....per dozen EDJ $9.00



No. 5159—W. H. Morley & Sons, length 3½ in., thin pattern, two blades—one large spear and one pen, full crocus polished and one fine cork screw, polished—gun metal handle,
per dozen ..... JFJJ $10.00
ONE-HALF DOZEN IN A BOX.

No. 5255—Four blades polished, warranted English steel, brass lined, German silver bolsters, stag handle, length 3 in. ... per dozen EDJ $9.00

No. 5261—One blade and one long nail file, polished, warranted English steel, shaped gun metal handle, very thin, length 3 in.,
per dozen ..... RDJ $9.00

No. 5156—Length 2¾ in., gun metal handle, thin pattern, four blades, full crocus polished,
per dozen ..... ABCJ $20.50

No. 5157—Length 2¾ in., gun metal handle, thin pattern, full crocus polished ..... per dozen ABCJ $25.50

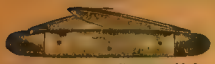
No. 5158—Length 3 in., thin pattern, gun metal handle, three blades, full crocus polished,
per dozen ..... ABCJ $20.50

No. 5237.

Two Blades, Glazed, Warranted English Steel, Brass Lined, Length 3¼ Inches.
No. 5237—Bronze—celluloid—handle, per
dozen ..... BGJ $4.50
No. 5238—Iris—celluloid—handle, per
dozen ..... BGJ $4.50
ONE-HALF DOZEN IN A BOX.

IMPORTED POCKET KNIVES.

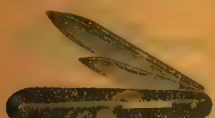
CRUSO.



No. 5273—Pearl handle, two blades, brass lining, German silver bolsters, length 2½ in., per dozen **BGJ** $4.50

No. 5274—Pearl handle, two blades, brass lining, German silver bolsters, length 2¾ in., per dozen **BGJ** $4.50

No. 5275—Pearl handle, two blades, brass lining, German silver bolsters, length 2¾ in., per dozen **BGJ** $4.50



No. 5277.

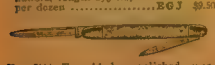
Two Blades, Polished, Brass Lined, German Silver Shield, Length 3⅛ Inches.

No. 5276—Stag handle, per dozen ..... **BGJ** $4.50
No. 5277 Buffalo horn handle, per dozen ..... **BGJ** $4.50

W. H. MORLEY & SONS' CLOVER LEAF BRAND.

Blades Made From English Steel.

No. 5262—Two blades, glazed, warranted English steel, brass lined, German silver cap and bolster, pearl handle, length 2¾ in., per dozen ..... **BGJ** $9.50



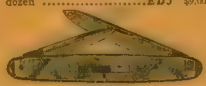
No. 5114—Two blades, polished, warranted English steel, pearl handle, brass lined, German silver bolsters, length 2½ in., per dozen **EGJ** $9.50

ONE-HALF DOZEN IN A BOX.

W. H. MORLEY & SONS' CLOVER LEAF BRAND.

Blades Made From English Steel.

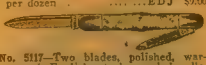
No. 5258—Two blades, full polished, warranted English steel, brass lined, Iris — celluloid — handle, resembling smoked pearl, length 3⅝ in., per dozen ..... **EDJ** $9.00



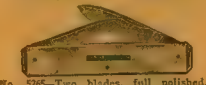
No. 5260.

Two Blades, Full Polished, Warranted English Steel, German Silver Lining, Milled Back, German Silver Tips, Very Thin, Length 3½ Inches.

No. 5260—Iris—celluloid handle, resembling smoked pearl, per dozen ..... **EDJ** $9.00
No. 5259—Stag handle, per dozen ..... **EDJ** $9.00



No. 5117—Two blades, polished, warranted English steel, pearl handle, brass lined, German silver bolsters, length 2½ in., per dozen **EGJ** $9.50



No. 5265—Two blades, full polished, warranted English steel, brass lined, German silver tips, pearl handle, length 2¾ in., per doz. **ABFJ** $21.00

No. 5096—Two blades and one cork screw, polished, warranted English steel, pearl handle, brass lining, German silver bolsters and bands, length 3¾ in. ..... per dozen **ABJJ** $20.00

No. 5268.

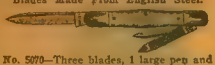
Pearl Handle, Polished, Warranted English Steel, Brass Lined, German Silver Bolsters, Length 3 Inches.

No. 5268—Three blades, per dozen ..... **JIFJ** $16.00
No. 5269 Four blades, per dozen ..... **JIFJ** 16.00

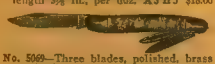
ONE-HALF DOZEN IN A BOX

W. H. MORLEY & SONS' CLOVER LEAF BRAND.

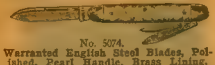
Blades Made From English Steel.



No. 5070—Three blades, 1 large pen and 1 small pen and 1 file, polished, warranted English steel, pearl handle, brass lining, German silver bolsters, length 3¼ in., per doz. **AJHJ** $18.00



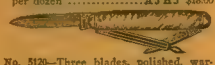
No. 5069—Three blades, polished, brass lined, German silver bolsters, pearl handle, length 2⅞ in., per dozen ..... **AJHJ** $18.00



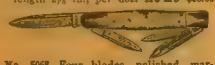
No. 5074.

Warranted English Steel Blades, Polished, Pearl Handle, Brass Lining, German Silver Bolsters, Length 2⅝ Inches.

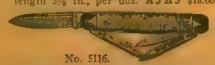
No. 5074—Three blades, per dozen ..... **AJHJ** $18.00



No. 5120—Three blades, polished, warranted English steel, pearl handle, brass lining, German silver bolsters, length 2⅞ in., per doz. **AJHJ** $18.00



No. 5068—Four blades, polished, warranted English steel, pearl handle, brass lining, German silver bolsters, length 3½ in., per doz. **AJHJ** $18.00



No. 5116.

Warranted English Steel Blades, Polished, Pearl Handle, Brass Lining, German Silver Bolsters, Length 3 Inches.

No. 5115—Three blades, per dozen ..... **AJHJ** $18.00
No. 5116—Four blades, per dozen ..... **AADJ** 19.00

No. 5266.

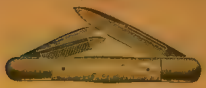
Pearl Handle, Polished, Warranted English Steel, Brass Lined, German Silver Tips, Length 3 Inches.

No. 5266—Four blades, per dozen ..... **ABFJ** $21.00
No. 5267—Three blades, per dozen ..... **ABFJ** 21.00

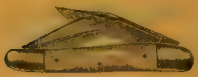
ONE-HALF DOZEN IN A BOX.

IMPORTED POCKET KNIVES.

CRUSO.

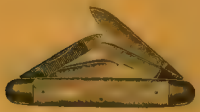


No. 5245—Three blades, polished, brass lined, German silver bolster, pearl handle, length 3½ in., per dozen .....EGJ $9.50



No. 5246—Three blades, polished, brass lined, German silver bolsters, pearl handle, length 3 in., per dozen .....EGJ $9.50

No. 5112—Four blades, polished, pearl handle, brass lining, German silver bolsters, length 2¾ in., per dozen .....EGJ $9.50



No. 5240.

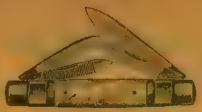
Pearl Handle, Polished, Brass Lined, German Silver Bolsters, Length 3 Inches.

No. 5240—Four blades, per dozen .....EGJ $9.50
No. 5241—Three blades, per dozen .....EGJ 9.50

No. 5247—Four blades, polished, brass lined, German silver bolsters, pearl handle, length 2⅝ in., per dozen .....EGJ $9.50

ONE-HALF DOZEN IN A BOX.

CRUSO.



No. 5244.

Pearl Handle, Polished, Brass Lined, German Silver Bolsters, Length 3 Inches.

No. 5244—Four blades, per dozen .....EGJ $9.50

No. 5248—Three blades, per dozen .....EGJ 9.50

No. 5155—Cruso, length 3 in., ivory grain celluloid handle, stamped with black sunk letters with Merry Christmas on one side and Happy New Year on the other side, two blades, one large pen and one small pen, glazed, brass lined, per dozen .....BDJ $4.00

MISCELLANEOUS.

No. 5193—One blade, polished, aluminum handle, automobile pattern knife, length 2¼ in., per dozen .....AHJ $3.00

No. 5194—One blade, polished, metal handle, aeroplane pattern knife, length 2¼ in., per doz. .....AHJ $3.00

ONE-HALF DOZEN IN A BOX.

MISCELLANEOUS.

No. 9934—Two blades, Iris—celluloid—handle resembling smoked pearl, length 2½ in., brass lined, per dozen .....BDJ $4.00

No. 9937—Two blades, Iris—celluloid—handle resembling smoked pearl, length 2½ in., brass lined, per dozen .....BDJ $4.00

ONE DOZEN IN A BOX.

No. 5172—Assortment consisting of one dozen fancy metal handle two-blade boys' and girls' knives, blades nicely polished, handles assorted bronze and silver finish and handsomely embossed with figures of cats, dogs, boys and girls playing games and leap-frog, school and dancing scenes, per assortment .....BDJ $4.00

This is one of the best 25 cent retail

ONE DOZEN IN A BOX.

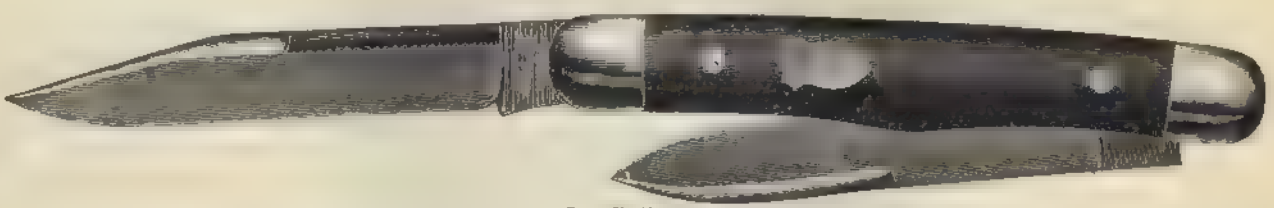
POCKET KNIVES

Cut Full Size.

Per Dozen

No. 8348—Office Knife, Two Blades, 1 Spear Point and 1 Eraser Blade Half Polished 3⅝ in Grained Celluloid Handle, Brass Lined..... $. ..

One half Dozen in a Box

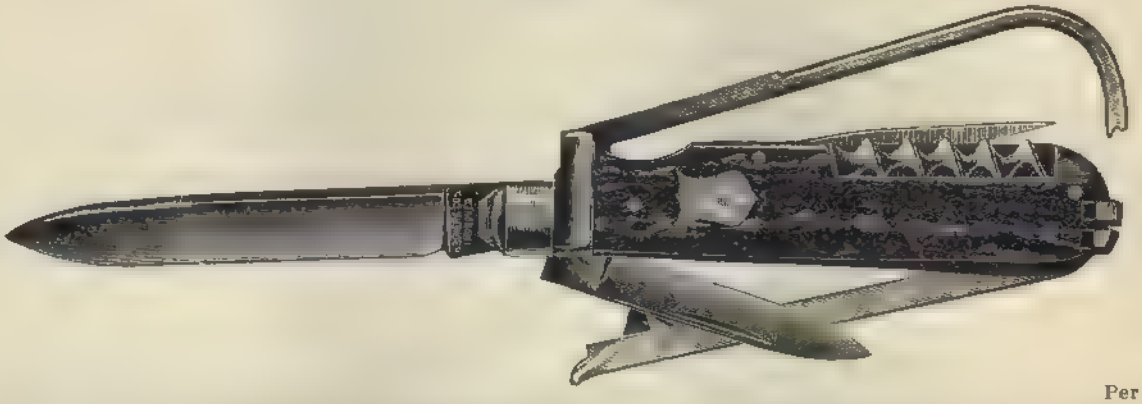


Cut Full Size

Per Dozen

No. 3211—Two Blades, 1 Large Saber Clip and 1 Large Spear Point, Polished, 4 in. Ebony Handles, Steel Lined, Steel Bolsters..... ...$.....

One-half Dozen in a Box



Per Dozen

No. 6765—Combination Sportsman, Two Blades, 1 Large Spear Point and 1 Pen, Full Crocus Polished, 1 Hoof Cleaner, 1 Cork Screw, 1 Reamer, 1 Screw Driver and 1 Fleam, 3 in. Stag Handle, Brass Lined, German Silver Bolster and Shield..... $.. ..

Cut Full Size

Per Dozen

No. 1001—Pruning Knife, One Blade, Glazed, 4 in. Ebony Handle, Iron Lined Steel Bolster.. . . . ..$.. ..

Per Dozen

No. 1011—Pruning Knife, One Blade, Glazed 4 in. Ebony Handle, Iron Lined, Steel Bolster and Cap .. . . $ . ..

POCKET KNIVES

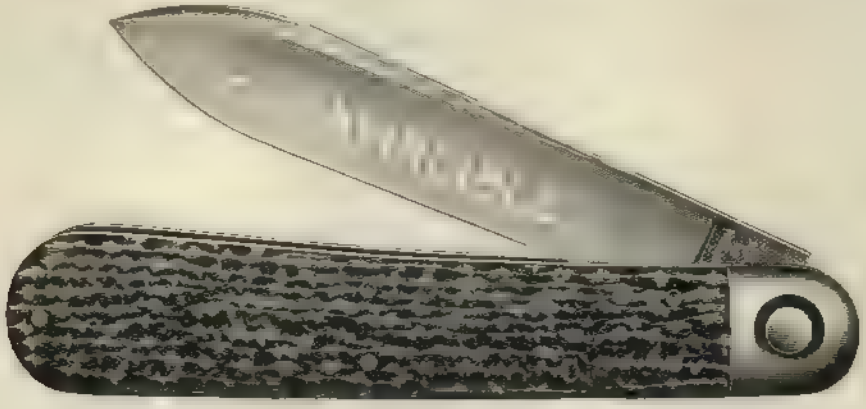
Cuts Full Size

PRESS BUTTON

Finest Quality English Crucible Steel Blades, Hand Hammered, Highly Tempered, Blades are Opened by Pressing the Button, They Will Not Open in Your Pocket.

Per Dozen

No. 100—Two Blades, 1 Large Spear Point and 1 Pen, Full Crocus Polished, 3¾ in Stag Handle, Brass Lined. . $.....
No. 102—Same as No. 100, but with Celluloid Shell Handle. ..... $.....



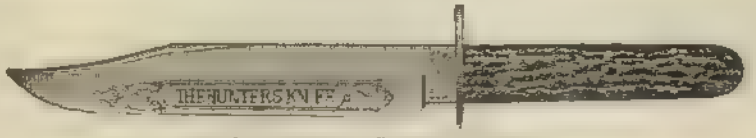
Per Dozen

No. 1100—Sportsman's Knife, One Blade, Spear Point, Crocus Polished on One Side, 5 in Stag Handle, Iron Lined, Iron Bolster. ..... $.....

Per Dozen

No. 1000—Sportsmen's Knife, One Blade, Clip Point, Crocus Polished on One Side, 5 in. Stag Handle, Iron Lined, Iron Bolster. ..... $.....

HUNTING KNIVES



With Embossed Leather Sheath.

Per Dozen

No. 203—6 in. Clip Point Blade, Etched, Steel Guard, Stag Handle ..... $...
No. 204—6 in Spear Point Blade, Etched, Steel Guard, Stag Handle ..... $...

POCKET KNIVES

Cut Half Size.

Cut Half Size.

Per Dozen

No. 1310—Budding Knife, 1 Crucible Steel Blade, Glazed, 4¾ in. Ivory Tip Buffalo Horn Handle, Steel Bolster.....$.....

Per Dozen

No. 03062—Boy Scout, Four Blades, 1 Large Spear Point, Gouge Can Opener and Screw Driver Half Polished 3⅝ in Stag Handle, Brass Lined, German Silver Bolsters and Shield....$....

POCKET KNIFE TOOL KITS

For Sportsmen, Farm and Automobile Use.

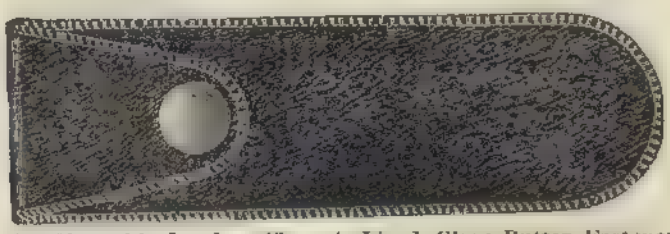
Contains Nine Useful Tools, Made of Finest Tempered Steel, Polished, Each Tool Firmly Attached or Detached to the Knife in a Second, Each Tool is Strong, Durable and Serviceable, all Packed in a Leather Folding Pocket, Size 4¼x3¼ in., Weight 7 Oz.

Per Dozen Sets

No. 602—Contains Pocket Knife with 4 in. Handle and Large Spey Point Blade, One Each Reamer, File, Saw, Chisel, Screw Driver, Cork Puller and Cap Lifter.....**$72.00**

Always at hand for immediate use, whether camping, boating, teaming, driving, etc., the scout's most useful companion.

POCKET KNIFE PURSES

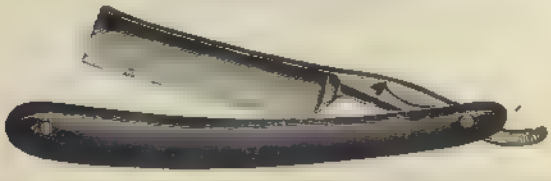


Fine Sheepskin Leather, Chamois Lined, Glove Button Fastener.

Nos.	0	1	2	3
Size, Inches	2¾x⅝	3¼x1	3½x1⅛	3⅝x1⅛
Per Dozen	$.. .		. .	...

RAZORS

WOSTENHOLM'S PIPE



Extra Quality Razor Steel, Highly Tempered, Carefully Ground and Tested, Medium Hollow Ground, Glazed, Oval Black Rubber Handle.

Per Dozen

No. 01724—⅝ in. Square Point Blade.....$.....

WOSTENHOLM'S I-XL

Extra Quality Razor Steel, Highly Tempered, Medium Hollow Ground, Crocus Polished, Oval Black Rubber Handle.

Per Dozen

No 01211—⅝ in. Square Point Blade.....$.....

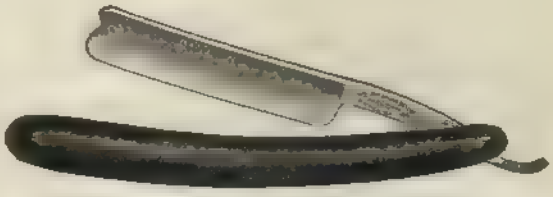
RAZORS

Finest Quality Steel, Hardened and Tempered, Extra Full Concaved, Very Fine Extra Blue Glazed Finish, Oval Black Rubber Handle.

	Per Dozen
No. 100—½ in. Round Point Blade	$
No. 101—⅝ in. Round Point Blade	
No. 102—¾ in. Round Point Blade	

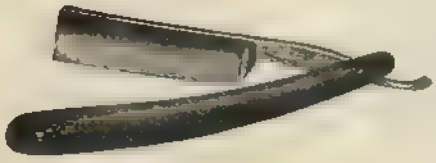
Best Razor Steel, Forged, Ground, Crocus Polished Oval Black Rubber Handle.

	Per Dozen
No. 1414½—½ in Square Point Blade	$
No. 1414⅝—⅝ in Square Point Blade	
No. 1414¾—¾ in. Square Point Blade	



Highest Quality Razor Steel, Highly Tempered, Hollow Ground, Glazed, Black Rubber Handle.

	Per Dozen
No. 332½ ½ in. Round Point Blade	$
No. 332⅝—⅝ in. Round Point Blade	
No. 332¾—¾ in. Round Point Blade	



Highest Quality Razor Steel, Highly Tempered, Thin Ground, Glazed, Oval Black Rubber Handle.

Designed for a Tough Beard and Tender Skin.

	Per Dozen
No. 249½—½ in Round Point Blade	$
No. 249⅝—⅝ in. Round Point Blade	
No. 249¾—¾ in. Round Point Blade	

Highest Quality Razor Steel, Highly Tempered, Full Concaved, Brilliant Crocus Polished Swage Back, Selected Pearl Tang.

	Per Dozen
No. 902—⅝ in. Special Point Blade, Pearl Celluloid Handle	$

"REV-O-NOC" GASOLINE LIGHTING SYSTEMS.

The REV-O-NOC gasoline lighting system is the result of many years' experimenting to meet the most exacting requirements of use in different climates and of various grades of gasoline.

In operation the intense heat of the generator changes the gasoline to gas, which after mixing with the air burns at the mantle and gives an exceedingly brilliant light. The gasoline is forced to the lamps from the supply tank (which may be placed out doors) through a hollow brass wire which is no larger than an ordinary electric wire.

The generator in a gasoline system lamp is important as is equal to the main spring in a watch. The generator in every REV-O-NOC system lamp is made of extra heavy brass tubing, and shielded with a copper deflector to prevent it from cooling while the lamps burning. It is almost self-cleaning. A few turns of a thumb screw forces a steel cleaning needle through the orifice in the generator tip from the inside, and drives out any impurities that may have been in the gasoline. This is a very important feature, as the orifice is about the diameter of a human hair, and might quite easily become stopped up. It also prevents the enlargement of this orifice, which is the most frequent cause of complaint in other makes of lamps.

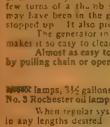
The generator in two-mantle lamps may be easily removed or replaced without disturbing the mantles. This is a patented feature, and as it makes it so easy to clean the generator, will be much appreciated by every user.

Almost as easy to operate as city gas. Generated by placing lighted alcohol torch through opening in lamp frame for about 60 seconds, and lighted by pulling chain or opening gasoline valve.

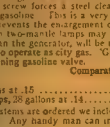
Comparative Cost of Producing 1000 Candle Power Light for 100 Hours.

	TOTAL COST.		TOTAL COST
REV-O-NOC lamps, 1½ gallons at .15	$ .23	6 ft. open gas jet, 30 M ft. at .85	$25.50
No. 3 Rochester oil lamps, 38 gallons at .14	3 92	16 C. P. Edison electric lamps, 347 K. W. at 10	34 70

When regular systems are ordered we include hollow wire cut in lengths of 25 feet with connections brazed on, but we can supply the hollow wire in any lengths desired. Any handy man can install our 5-light system in half a day.



No. 141D.



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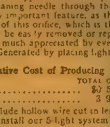

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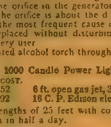
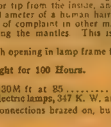


No. 417.



Nos. 138 and 114

Every REV-O-NOC system is guaranteed for five years (mantles, glassware and burner tips excepted), and with ordinary care it should last a lifetime. There is absolutely no danger involved in the use of these improved systems. REV-O-NOC lighting systems are permitted by the National Board of Fire Underwriters with out any increase in insurance rates.

One mantle lamp burns 60 hours on one gallon gasoline and produces 400 C. P.; two mantle lamp burns 36 hours on one gallon gasoline and produces 800 C. P. light.

Entire page 817

COMPLETE SYSTEMS.

Two-Light System Complete with Lamps, 50 Feet Hollow Wire with All Connections, Three Gallon Tank with Pump, All Ready to Install, Weight 50 lbs.

Nos.	2127	2457	2417
Lamp Nos.	127	457	417
Per system	$42 00	46 25	46.25

Three-Light System, Complete with Lamps, 75 Feet Hollow Wire with All Connections, Six Gallon Tank with Pump, All Ready to Install, Weight 65 lbs.

Nos.	3127	3457	3417
Lamp Nos.	127	457	417
Per system	$50 25	02 50	02 50

Four-Light System, Complete with Lamps, 100 Feet Hollow Wire with All Connections, Six Gallon Tank with Pump, All Ready to Install, Weight 80 lbs.

Nos.	4127	4457	4417
Lamp Nos	127	457	417
Per system	$71.25	80.00	80 00

Five-Light System, Complete with Lamps, 125 Feet Hollow Wire with All Connections, Ten Gallon Tank, with Pump, All Ready to Install, Weight 100 lbs.

Nos.	5317	5327	5127	5457	5417
Lamp Nos.	317	327	127	457	417
Per system	$80.00	$97 50	100 00	100.00	100.00

No. 141D REV-O-NOC—Two mantle inverted fixture, length over all 30 inches, oxidized copper finish, 800 candle power, burns 36 hours on one gallon gasoline, 15 inch opal shade, two inverted mantles (No. 120—complete ready to connect to hollow wire, with tubing, each ..... with DRJ $10.00

Simple in construction, quick lighting and easy cleaning

ONE IN A BOX.

No. 127 REV-O-NOC—Lamp, 800 C. P., hollow wire drop and hand shut-off, 11-inch steel enameled shade ..... each $11.25

No 457 REV-O-NOC—Lamp, 800 C. P. rigid fixture, 36 inches over all, 10-inch 12 deflector, chain shut-off valve, clear bulb globe (No 1012)..... each 13 50

Generates light or turns out from floor without climbing

No 417 REV-O-NOC—Lamp, 800 C. P., rigid fixture, 36 inches over all, 10-inch heat deflector, chain shut-off valve, 12-inch opal shade (No 4251) ..... each $13 50

Generates light or turns out from floor without climbing

For lamps with fixtures longer than described above add cost of extra drop tubing required

Hollow wire with connections	per foot	$0.12		
Hollow wire without connections	"	.07		
Nuts and jambs for hollow wire (2 pieces).				
per pair		.12		
Silver solder for hollow wire	per ounce	2.00		
Straight connections	each	.38		
3-way tee connections	"	.50		
4-way tee connections	"	.50		
5-way cross connections	"	.65		
German silver burner tips		.50		

Generator castings complete, for one mantle REV-O-NOC system lamps	each	3.50
Removable generators, for two-mantle REV-O-NOC system lamps	each	2.50
Two-mantle generator tubes, packed	"	1.00
Generator tips	"	.50
Reducing bushing, for generator tubes	"	.25
Cleaning needles, for generator tips	"	.18
Fixture drop tubing, oxidized copper 3 or 6 in., per foot or fraction	each	.50
Couplings, for drop tubing	"	.50
Tank air valves	"	2.50
Tank gasoline valves	"	3.25
Tank nuts and jambs	"	.30
Tank pressure gauges	"	4.35
Tank washers	"	.10

No. 141D REV-O-NOC—Two mantle inverted fixture, length over all 30 inches, oxidized copper finish, 800 candle power, burns 36 hours on one gallon gasoline, 15 inch opal shade, two inverted mantles (No 120—complete ready to connect to hollow wire, with tubing, each ..... with DRJ $10.00

Simple in construction, quick lighting and easy cleaning

ONE IN A BOX.

No. 127 REV-O-NOC—Lamp, 800 C. P., hollow wire drop and hand shut-off, 11-inch steel enameled shade ..... each $11.25

No 457 REV-O-NOC—Lamp, 800 C. P. rigid fixture, 36 inches over all, 10-inch 12 deflector, chain shut-off valve, clear bulb globe (No 1012)..... each 13 50

Generates light or turns out from floor without climbing

No 417 REV-O-NOC—Lamp, 800 C. P., rigid fixture, 36 inches over all, 10-inch heat deflector, chain shut-off valve, 12-inch opal shade (No 4251) ..... each $13 50

Generates light or turns out from floor without climbing

For lamps with fixtures longer than described above add cost of extra drop tubing required

Nos.	5317	5327	5127	5457	5417
Lamp Nos.	317	327	127	457	417
Per system	$80.00	$97 50	100 00	100.00	100.00

No. 114 REV-O-NOC—Two-mantle out door arc lamp, 800 C. P., clear bowl globe (No. 1128) ..... each	$25.00	
No. 138 REV-O-NOC—Four-mantle out door arc lamp, 1600 C. P., burns 18 hours on one gallon of gasoline, large, clear ball globe, with "Rain-proof" ..... each	37.50	

The best hollow wire out door lamps made. Frames are enameled steel and very strong. Generators contain no packing, and orifices are cleaned every time light is turned out. Globes held by wire baskets to prevent them from breaking and dropping. Generate, light and turn out from the sidewalk.

We recommend No. 128 "O. V. B." mantles for use with "Rain-proof" System Lamps.

Tested Steel Tanks with Pressure Gauge and Valves.

3 gallon	each	$11 25
6 gallon	"	12 50
10 gallon	"	15 00

No. 101D—Large automobile foot pumps, each 3 75

Ornamental iron bracket, black japanned all-sustrated, with No 138 system lamp ..... each 11.25

MANTLES AND GLASSWARE ON OTHER PAGES.

GASOLINE LIGHTING SYSTEMS.

OVERHEAD GENERATOR SYSTEMS.

These lamps use upright gasoline system mantles (No. 8). The generator is over the globe. Lighted by placing alcohol torch across the top of globe, and after burning about one minute opening the gasoline valve. The heat from the mantle keeps the generator hot. Give 500 candle power light. Approved by the National Board of Fire Underwriters. Insurance Companies will issue permits to use these systems without increasing the rates.

No 38. No 40.

No. 38—System lamp, oxidized copper finish, with opal airhole globe (No. 350), highest grade system mantle (No. 8) and lighting torch, w't 12 lbs. ..... each DCJ $9.35

No. 40—System lamp, oxidized copper finish with clear round globe (No. 433), highest grade system mantle (No. 8) and lighting torch, w't 12 lbs. ..... each DCJ 9.35

Repairs.

No. 381—Overhead generator tubes with tips ..... each BF $0.65
No. 382—Asbestos wicks for generator tubes ..... " AB .25
No. 383—Gauze caps, for Nos. 38 and 40 lamps ..... " AB .25

Tanks, hollow wire, etc., same as shown on page 1011.

Complete Systems.

No. 238—2 light system complete with two No. 38 lamps, 50 feet hollow wire, 4 gallon tank, 22 in. automobile foot pump, w't 38 lbs. ..... ★each AHDJ $40.00
No. 338—3 light system complete with three No. 38 lamps, 75 feet hollow wire tubing, 4 gallon tank, 22 in. automobile foot pump, w't 42 lbs. ..... ★each BCJJ 50.00
No. 438—4 light system complete with four No. 38 lamps, 100 feet hollow wire tubing, 10 gallon tank, 22 in. automobile foot pump, w't 56 lbs. ..... each BHGE 62.50
No. 240—2 light system with No. 40 lamps, otherwise same as No. 238. ..... ★each AHDJ 40.00
No. 340—3 light system with No. 40 lamps, otherwise same as No. 338. ..... ★each BCJJ 50.00
No. 440—4 light system with No. 40 lamps, otherwise same as No. 438. ..... ★each BHGE 62.50

Mantles on page 1018, glassware on pages 1018B and 1018C.

GASOLINE GAS LAMPS.

These burners are constructed especially for use on cold process or machine gasoline gas. Have simple regulator which adjusts gas and air at same time. May be adjusted so that a large volume of air is supplied to a small volume of gas when the gas is rich, and a small volume or even no air, to a large volume of gas when the gas is poor.

Lock nut adjustment to hold regulator at any desired point.

These burners are made extra strong to withstand the hard use of gasoline gas.

No. 16—PEERLESS UPRIGHT, polished brass, extra heavy, with high grade mantle (No. 41) and opal air hole globe (No. 14), w't per doz. 24 lbs. ..... per dozen AJCE $22 50
No. 016—PEERLESS burners only ..... " JEGE 12 50

No. 17—PEERLESS INVERTED, polished brass, extra heavy, with high grade inverted mantle (No. 1140) and half frosted globe (No. 555), w't per doz. 24 lbs. ..... per dozen ACHJ $25 50
No. 017—PEERLESS burners only ..... " JIFE 16.00

★FOR FACTORY SHIPMENT ONLY.

GAS LIGHTS, BURNERS AND BY-PASSES

LAMPS AND BURNERS.

No. 950—Triplex, brush brass, with bent tube, air shutter and side screw regulator, new spring globe holder, magnesia mantle support, for artificial or natural gas, with half frosted ball globe and octagon globe and high grade mantle, w't per doz. 6 lbs., per doz. ..... **JIDJ** $17.60

The lamp is graceful and artistic. Every carefully proportioned to secure the most perfect mixing and combustion of the gases. Can be used with best tube as illustrated, straight down without bent tube or as an upright burner.

ONE COMPLETE IN A BOX.

No. 550—Tanivy, brush brass, air shutter and side screw regulator, new spring globe holder, magnesia mantle support, for artificial or natural gas, with half frosted ball globe and standard grade mantle, w't per doz. 6 lbs., per dozen ..... **JFEJ** $10.80

No. 551—Tanivy, made especially for natural gas, otherwise same as No. 550 ..... per dozen **JFEJ** $10.80

These burners have the same style of gas regulator as the Triplex and Perfect, and represent the highest degree of excellence that has been attained in this type of gas burner.

ONE COMPLETE IN A BOX.

No. 450—Cruso, bright brass, magnesia mantle holder, with needle regulator and air shutter, for natural or artificial gas, with No. 555 half frosted ball globe and No. 1180 Flyer mantle, w't per doz. 6 lbs., per dozen ..... **CFJ** $6.00

The CRUSO is a low-priced light, having a gas regulator as well as an air shutter.

ONE COMPLETE IN A BOX.

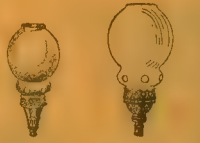
LAMPS AND BURNERS.

No. 750—American Cottage Arc, white enameled steel, gold striped, 3¼ in. fitter, with highest grade mantle, closed bottom ball globe, for artificial gas, w't per doz. 8 lbs., per dozen ..... **ACJJ** $21.60

No. 751—American Cottage Arc, for natural gas, otherwise same as No. 750 ..... per dozen **ACJJ** $21.60

The American Cottage Arc Light has a steel inner cylinder which makes possible the use of a closed bottom ball globe as used on electric fixtures. This is a lamp of high candle power and no noise; no glass inner cylinder required. Standard glassware, either open or closed bottom, may be used.

ONE IN A BOX.



No. 5. No. 65.

No. 5—Lindsay, heavy brass burner with needle gas regulator, complete with No. 5 Lindsay center rod mantle and No. 14 Opal "O" globe, height 9¼ in., w't per doz. 18 lbs., per dozen ..... **JFEJ** $10.80

This light has gained a splendid reputation. Easily installed and regulated. For natural or artificial gas.

No. 65—Flyer, brass burner with needle gas regulator, complete with No. 31 Flyer mantle for artificial gas and No. 14 Opal "O" globe, w't per doz. 16 lbs. ..... per dozen **CIJ** $6.80

This is a good burner at a competitive price.

ONE IN A BOX.

GAS LAMPS.

No. 101—Special, highest grade brass burner, with No. 99 clear air hole cylinder and No. 10 opal shade, with by-pass complete, w't per doz. 15 lbs., per dozen ..... **ABBE** $20.40

This is a very high grade light. Recommended for show window lighting, and any place where a very bright light is desired.

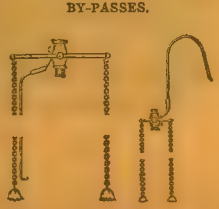
ONE IN A BOX.

No. 123—Lindsay, brass burner with needle adjustment and mica chimney with mantle complete, w't per doz. 4 lbs., per dozen..... **BFJ** $4.20

No. 1230—Mica chimney with mantle for No. 123 gas lamps, per dozen..... **AGE** $2.90

ONE DOZEN IN A BOX.

BY-PASSES.



No. 124. No. 125.

No. 124—Pilot, by-pass for Nos. 950 and 650 gas lamps, per dozen **BIJ** $4.80

No. 125—Pilot, by-pass for Nos. 550, and 450 gas lamps, per dozen ..... **CJJ** $5.00

ONE DOZEN IN A BOX.

IMPROVED READING LAMPS AND AIR-O-LANTERNS.

No. 307 REVERE—Brass, nickel plated, height 22 in., capacity 3 qts.—2 qts. gasoline, 1 qt. air—10 in. ribbed opal dome shade No. 1004, two No. 121 Junior Rag mantles, burns 25 hours to one filling, complete with pump and all accessories, w't 10 lbs., each ..... **J F J J** $10.00

No. 317 REVERE—Satin finished fancy shade with 3½ in. crystal fringe, w't 12 lbs., otherwise same as No. 307, each ..... **J F E J** $10.80

The REVERE *reading lamp is the most improved gasoline reading lamp made. The air intake is away from the center of heat, so that the gas is mixed with a large proportion of oxygen, resulting in the most perfect combustion. Really burns more air than gasoline. The filler cap and pump connection are concealed under the fount shell. Just set pump in easy seat and work plunger. No threaded connections to bother with. Ball check in the standard near the fount allows only a drop of the gasoline to get through at a time. This regulates the flow so that even if lighted lamp should be dropped or extra vigor given the pump handle the gasoline would not be forced in a solid stream. The flame can be regulated to 15 seconds without turning down the mantles. Hunt top to extend flame down to any brightness desired up to 300 C. P. Special Lanyer supplied with each lamp and is designed as a hanging instead of a table lamp.*

ONE IN A BOX.

No. 318 REVERE—Fancy decorated shade, otherwise same as No. 317, each ..... **J F E J** $10.80

ONE IN A BOX.

REPAIR PARTS FOR REVERE LAMP.

No. NA18—Generator tip, each ..... **A H** $0.30
No. NA38—Generator wick, each ..... **J F** .10
No. NA59—Tip screen, each ..... **J F** .10
No. NA007—Cleaning needle, each ..... **J F** .10
No. NA59-12—Set of generator wick, tip screen and cleaning needle, in envelope ..... per set **A H** $0.30

AIR-O-LANTERNS.

No. 319—Brass, nickel plated, diameter 7 in., height 16 in., capacity 1 qt., burns 12 hours, mica chimney, two No. 121 Junior Rag mantles, with extra generator, w't filled 2 lbs., each ..... **J F J J** $10.00

The Air-O-Lantern is a great outside lamp. Guaranteed storm proof. As handy as a lantern and as brilliant as a street light. Made extra heavy. Explosion is impossible. Uses two small durable mantles which usually last a long time. Light burns all right with one mantle gone. Just the thing for threshermen, contractors, campers, etc.

ONE IN A BOX.

CRUSO KERO-VAPOR LAMPS.

No. 111—Cruso, nickel plated brass, complete with 10 in. opal shade No. 1001, 12 in. Rochester chimney No. 1325½, and Kero-Vapor mantle No. 114, w't 12 lbs., each **E I J** $9.80

No. 112—Cruso, brushed brass, otherwise same as No. 111, each ..... **E I J** $9.80

No. 116—Cruso, with fancy green shade No. 181, w't 13 lbs., otherwise same as No. 111..... each **J F C J** $10.50

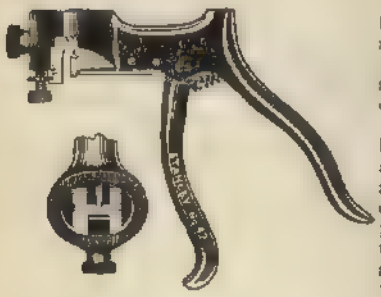
The Cruso Kero-Vapor Lamp burns ordinary kerosene and gives a positively reliable light. It burns a steady, white light, free from smoke, soot, noise and odor, and requires no attention whatever as long as there is a drop of kerosene in the tank. Burns 45 hours on one gallon of common kerosene.

The kerosene is steamed from the wick into a vapor or gas which ignites between the perforated burner tube and the mantle, producing a powerful, steady, white light of the most perfect illuminating quality. It is how flame, but a brilliant white mantle, such as those used in the best gas lamps. It is a most perfect reading light. Requires no pumping and has no delicate parts to get out of order. Requires no more care or attention than any common kerosene lamp.

ONE IN A BOX.

SAW SETS

STANLEY'S "PISTOL GRIP" ADJUSTABLE



This Saw Set embodies several unique and important features not heretofore seen in tools of this description.

The shape of the body and handle enable the user to operate the tool with great ease and with the least possible exertion, and the saw is held firmly against the gauge while the tooth is being set.

It can be readily adjusted by means of the knurled thumb screw to give a greater or less set to the teeth of the saw, according as the saw is to be used for coarse or fine work. As the anvil or part against which the plunger works is graduated, the same adjustment can be easily obtained for duplicate work.

The tool is so designed that the saw teeth are in plain view, which enables the used to quickly adjust the tool to the tooth to be set.

Per Dozen

No. 42—Tool Steel Plunger and Anvil, Hardened and Tempered, Carefully Machined Parts, Fine Black Finish $15.00

One-twelfth Dozen in a Box

GENUINE MORRILL

For Hand Saws.

Per Dozen

No. 1M—6¾ in. Long, Semi and Tool Steel Construction, Polished, for Hand Saws ½ in. or Over in Width and Not Over 16 Gauge, no Loose Parts, Weight Per Dozen 7 Lbs.. . $14 00

One-half Dozen in a Box

GENUINE MORRILL

For Hand Saws.

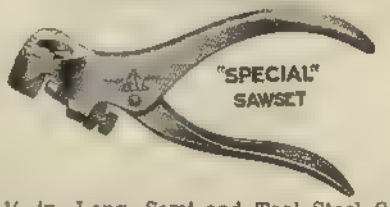
Per Dozen

No. 95—6¾ in Long, Semi and Tool Steel Construction, Polished, Rotatable Anvil, Always Sets a Saw Correctly, for Hand Saws ½ in. or Over in Width and Not Over 16 Gauge, Weight Per Dozen 7 Lbs..... $14.50

One-half Dozen in a Box.

MORRILL SPECIAL

For Hand Saws.



Per Dozen

No. MS—6½ in. Long, Semi and Tool Steel Construction, Polished, Anvil Gives at One Adjustment Both the Correct Angle and Depth of Set, Anvil is Placed on an Incline which Prevents End of Plunger from Breaking Off and Allows the Operator to See the Angle of Set Given the Saw, for Hand Saws ½ in. or Over in Width and not Over 16 Gauge Thick, Weight Per Dozen 8 Lbs $15.00

One-half Dozen in a Box.

GENUINE MORRILL

For Cross Cut Saws.

Per Dozen

No. 3—9⅝ in. Long, Semi and Tool Steel Construction, Polished, for Single Tooth Cross Cut and 14 to 20 Gauge Circular Saws, Weight Per Dozen 16 Lbs..... $20 00

No. 4 Same as No. 3, but for Double Tooth Cross Cut Saws (M and Champion Tooth) 14 to 20 Gauge 20 00

One-half Dozen in a Box.

MORRILL OLD STYLE

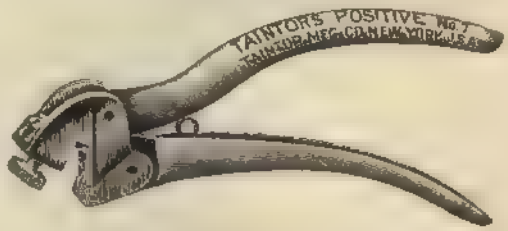
For Hand, Band and Jig Saws.

Per Dozen

No. 1—6¾ in. Long, Semi and Tool Steel Construction, Polished, for Hand, Band and Jig Saws, Any Width and Not Over 16 Gauge, Weight Per Dozen 7 Lbs..... $10.00

One-half Dozen in a Box

TAINTOR POSITIVE



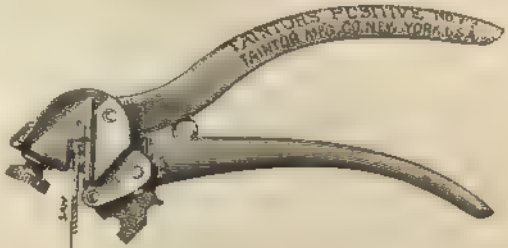
For Hand Saws. Per Dozen

No. 7—6 in. Long, All Steel, Neatly Finished, Anvil Has Ten Different Pitches, for Hand and Other Fine Tooth Saws, Weight Per Dozen 6¼ Lbs..$15.00

Will not slip on the teeth, nor mar the teeth, and will give the best possible teeth. Has but one gauge to set. Any setting may be produced. Anvil and punch easily replaced.

One-half Dozen in a Box

TAINTOR POSITIVE



For Hand Saws. Per Dozen

No. 7½—6 in. Long, All Steel, Neatly Finished, Anvil has Ten Different Pitches, for Hand and Other Fine Tooth Saws, Weight Per Dozen 6¾ Lbs. $16.00

Special Features:

A double plunger, one side for fine, and the other for coarse teeth, giving two plungers in one. Hardened ears which glide easily over the teeth.

One half Dozen in a Box.

SAW SETS

MONARCH

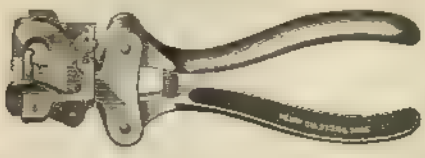
For Hand Saws.

Per Dozen

No. 2—6 in. Long, Malleable Iron Head and Handles, Tool Steel Anvil and Plunger, Revolving Anvil with Different Bevels, for All Sizes and Shapes of Teeth, Barff Finish, for Hand and Other Fine Tooth Saws, Weight Per Dozen 8 Lbs. $8.00

One-half Dozen in a Box.

TRIUMPH



Tool Steel Parts, Barff Finish, Polished Head.

Per Dozen

No. 28—7½ in. Long, for Hand, Back, Web and Narrow Band Saws, 10 Points to the Inch and Coarser, Weight Per Dozen 9½ Lbs... .. . $11.00

No. 18—9 inches Long, for Circular and Cross Cut Saws, 14 Gauge and Lighter, Weight Per Dozen 15 Lbs. 15.00

No. 28, One-half Dozen; No. 18, One twelfth Dozen in a Box.

LEACH PATTERN

Malleable Iron, Japanned, Steel Anvil and Saddle, Milled Screws.

Per Dozen

No. 10—7 in. Long, for Hand Saws, Weight Per Dozen 7 Lbs.....$ 9.00

No. 11—12 in. Long, for Cross Cut Saws, Weight Per Dozen 18 Lbs..... 20.00

One-half Dozen in a Box.

STILLMAN PATTERN

For Hand and Wood Saws.

Per Dozen

No. 40—6⅝ in. Long, Malleable Iron, Natural Finish, Wood Handle, for Hand and Wood Saws, Weight Per Dozen 3 Lbs.....$3.20

One Dozen in a Box.

SAW SETS

AIKEN'S PATTERN

Per Dozen

No. 20—Aiken's Pattern, Forged Steel Anvil and Hammer, Polished, with Set Screw for Gauging Angle of Set... . .. . $8.00

To be set in vise or hole of bench.

Weight Per Dozen 7 Pounds.

One Dozen in a Box.

SAW FILING GUIDES

DISSTON'S

Each

No. D3—12½ in. Plain Faced Jaws, Japanned Malleable Iron Clamp, Malleable Iron File Attachment and Slide, Polished Steel Wire Guide. Complete with File and Handle, Average Weight Each 20 Lbs.....$2.50

Especially designed to assist those not skilled in the art of saw filing to file a saw correctly.

The above cut shows a saw and the guide in proper position for filing. There are three marks on the upper hub of the swivel attachment. One of the three marks shows when it is in position for one side and the other designates when it is in position for filing the other side The third or center mark shows when it is in position for filing rip saws.

SAW VISES OR CLAMPS

ATKINS' AAA

Per Dozen

No. 1AAA—All Steel, Dull Japanned, Weight Per Dozen 20 Lbs. $13 50

Occupies about the same space as an ordinary chisel. Can be used for jointing, setting and filing. May be instantly attached to or detached from any square edge surface. The clamp is seated close to its work, thus preventing vibration.

The first illustration shows the clamp in use for filing and the second for jointing and setting purposes. Note that the clamp does not have to be detached for these various operations after being fastened into place.

One-quarter Dozen in a Box.

SAW VISES OR CLAMPS

STEARNS' FOLDING

Per Dozen

No. 300—Length Over All 12 in., Length of Jaws 10⅛ in., Width 2¾ in., Made of Special Crucible and Channel Steel, Black Japanned, Nickel Plated Parts, Back Jaw Faced with Rubber which Prevents Vibration and Makes Filing Practically Noiseless, Weight Each 2¾ Lbs. . $16.00

One-twelfth Dozen in a Box.

GUNN SELF-FASTENING FOLDING

Per Dozen

Gunn—Malleable Iron, Japanned, Instantly Fastens itself to Work Bench, Tool Box, Window Sill or Any Other Suitable Place, Folds Like a Jack Knife for Carrying in Coat Pocket, is Half the Length of a Rip Saw, Weight Each 3 Lbs. $12 00

One-twelfth Dozen in a Box.

Per Dozen

No. 0—9½ in. Jaws, Malleable Iron, Japanned . . $10 00

A light and durable vise.

Weight Per Dozen 35 Pounds.

Open Stock.

No. 104.

No. 105.

Heavy, Malleable Iron, Japanned.

Per Dozen

No. 104—12⅛ in. High, 10 in. from Bench, 9½ in. Jaws, Polished Face, with Screw Clamp for Fastening to Bench and Screw Adjustment for Holding Vise at Any Angle, Weight Per Dozen 75 Lbs. . . . . $ 9.00

No. 105—13⅛ in. High, 10 in. from Bench, 9½ in. Jaws, Polished Face, with Screw Clamp for Fastening to Bench and Ball and Socket Adjustment for Holding Vise at Any Angle, Weight Per Dozen 100 Lbs. 12 60

Open Stock.

SAW VISES OR CLAMPS

STEARNS' GENUINE WENTWORTH

Nos. 1 and 2.

No. 3

Malleable Iron, Japanned.

Per Dozen

No. 1—11 in. Rubber Cushioned Jaws, Weight Per Dozen 60 Lbs. $13 00

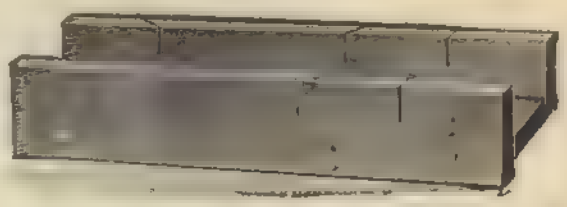
No. 2—15 in. Rubber Cushioned Jaws, Weight Per Dozen 108 Lbs. 18 00

No. 3—11 in. Rubber Cushioned Jaws, Adjustable, Weight Per Dozen 66 Lbs. 18 00

Open Stock.

MITRE BOXES

COMMON WOOD

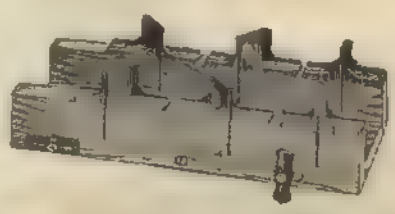


Kiln Dried Hardwood, with Mitre and Straight Cuts.

Nos.	1W	2W	3W
Length, Inches	12	18	24
Width, Inches	2⅞	3⅜	3⅞
Height Inside, Inches	2⅛	2⅝	3⅛
Weight Per Dozen, Lbs.	24	36	72
Per Dozen	$4.80	7 20	9 60

Open Stock

OLMSTED'S IMPROVED



Hard Oil Varnished Selected Hardwood Frame, Painted and Varnished Iron Parts.

Each

No. 1—Will Take Work 1½x3 in., Weight Each 3 Lbs $2 00

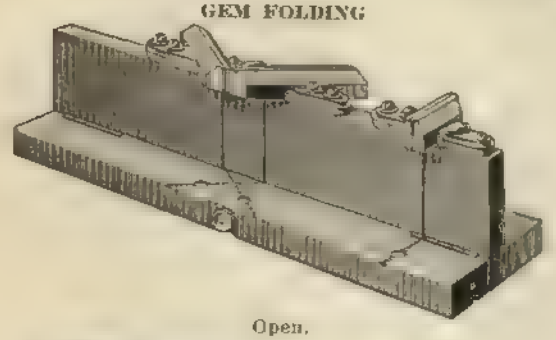
No. 2—Will Take Work 2½x4 in. Weight Each 5 Lbs 2.50

Olmsted's Improved Mitre Boxes have adjustable iron saw guides for any thickness of saw blades. The saw cannot cut the frame away. An ordinary saw can be used as well as a back saw. Upon the upper edge and at one end of the uprights are fastened two irons which are used to guide the saw when sawing a square cut

Two in a Box

MITRE BOXES

GEM FOLDING



Open.

Closed.

Each

Gem Folding—14 in. Long. Height of Back 2 in., Thoroughly Seasoned Oak, Adjustable Nickel Plated Steel Saw Guides, Takes Moulding Up to 2½ in., Adaptable to Any Size or Style of Hand or Back Saw, Weight Each 4 Lbs. $2.50

Occupies small space in tool box. Easily and quickly adjusted. One in a Box.

RED DEVIL

Seavey Patent.

Will cut any width of mitre. No special saw required.

Can be folded and carried in tool chest.

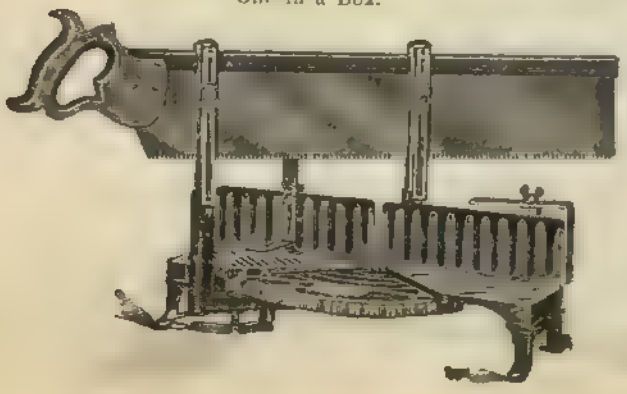
Makes perfect joint.

Being light in weight it is easily carried.

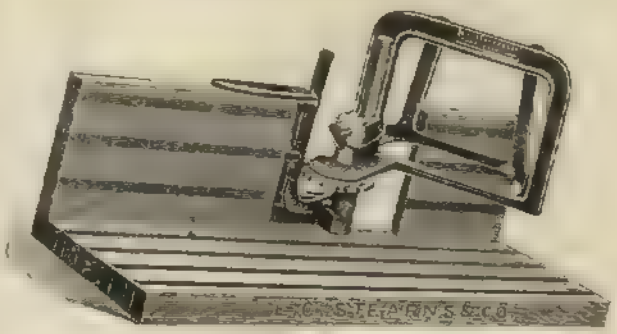
Each

No. 130 Made of All Metal, Red Enameled, Nickel Plated Gauge, without Saw, Weight Each 2 Lbs. $3.00

One in a Box.



STEARNS' DETACHABLE



For Either Back or Panel Saws.

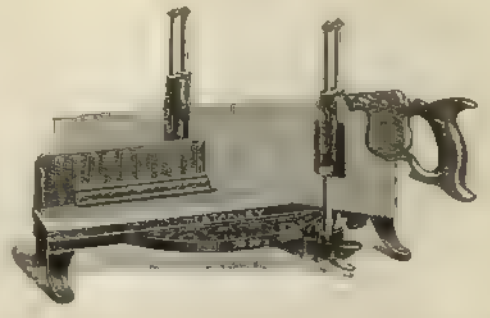
Each

No. 28—Hardened Graduated Steel Plate, Hardened Steel Indexing Lever, Long Saw Guide, Black Japanned Parts, Fancy Wood Base, without Saw, Weight Each 6 Lbs $4 00

May be quickly set to accurately guide the saw in a square cut or at either 22½, 30 or 45 degrees right or left.

One in a Box

VICTOR



Each

No. 50½—Without Saw. Capacity at Right Angle 7¼ in., Capacity at Mitre 45°, 4¾ in., Weight Each 20 Lbs. $5.50

Either a back saw or a panel saw can be used in this box. The back, frame, indexed quadrant and swivel arm bearing are in one piece and accurately machined. The swivel arm can be locked at any desired point, between zero and 45°. The quadrant is indexed for cutting 4, 5 6, 8, 12 and 24 sided pieces.

One in a Box.

FISH

Eight Reasons Why It Sells:

It is the most simple in construction.

Segment and locking device interests the mechanic at sight.

All adjustments are positive, 72 instead of 9.

Scale plate is black and brass, you can see it.

Curved steel washer under swivel bolt makes tight, easy swivel at all times.

Saw guides always in position to receive saw.

One piece for adjusting cut and holding saw above work

Clamps do not interfere with any angle of saw.

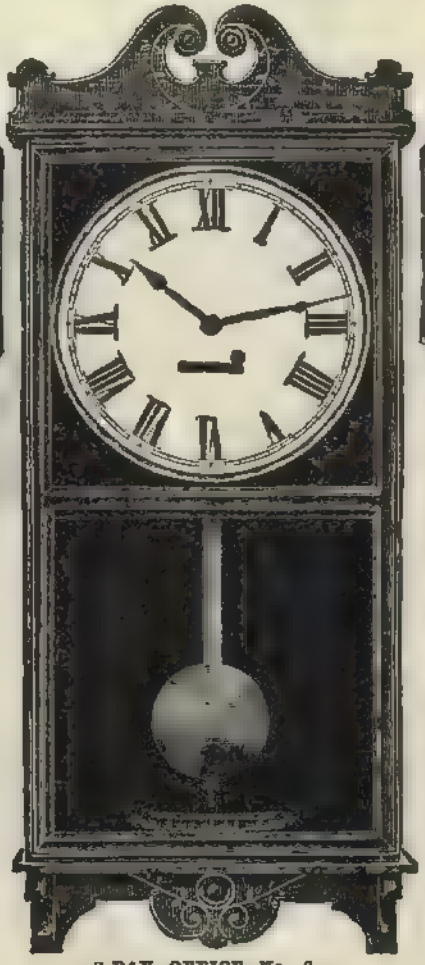
Nos.	264	285
Saw, Inches	26x4	28x5
Weight Each Boxed Lbs	35	36
Each	$16.75	17 50

One in a Box

Seth Thomas Clock Co.'s Fine Office and Parlor Clocks

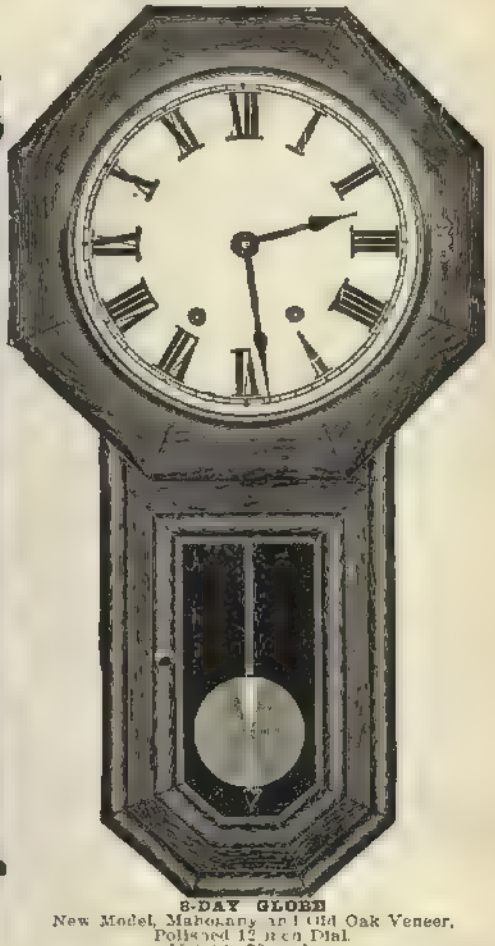
WORLD
An Excellent Timepiece
Mahogany and Old Oak Veneer. Fifteen-Day, Time Has a large Double Spring Movement with Graham Dead-beat Escapement Eight-Day, Spring, Strike, Cathedral Bell 12 inch Dial
Height 32 inches

No 11538—Time . . . Each, $18.70
No 11539 Strike . . . Each 21.35



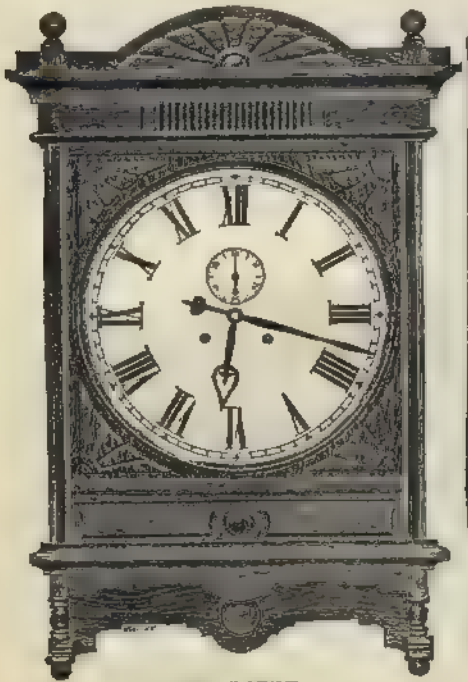
8-DAY OFFICE No. 6
Mahogany Flush and Old Oak
12-inch Dial Height, 36 inches

No. 11540 Time Each, $10 70
No. 11541 Strike Each, 12 00
No. 11542 Time and Calendar . Each 13 35
No 11543 Strike and Calendar . Each 12 70
Top can be taken off if a plainer case is desired



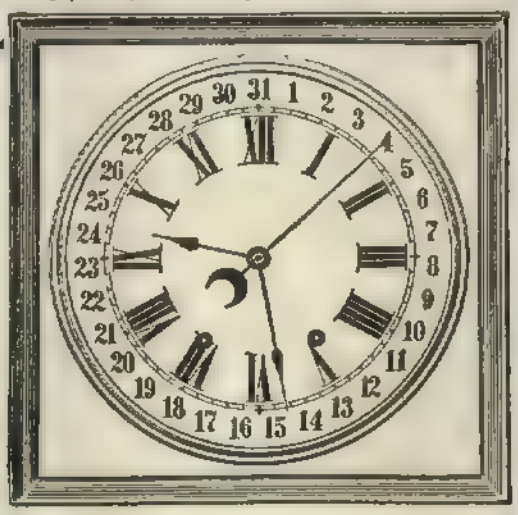
8-DAY GLOBE
New Model, Mahogany and Old Oak Veneer, Polished 12 inch Dial.
Height, 32 inches.

No 11544—Time . . . . . Each, $13 50
No. 11545—Strike . . . . . Each, 16 80



12-INCH LOBBY
Thirty-Day, Pendulum Time Roman or Arabic Dials. Excellent Timepieces
Large Double Spring Movements with Graham Dead beat Escapement
Mahogany and Old Oak 12-inch Dial.
Height 38 inches Width 25 inches

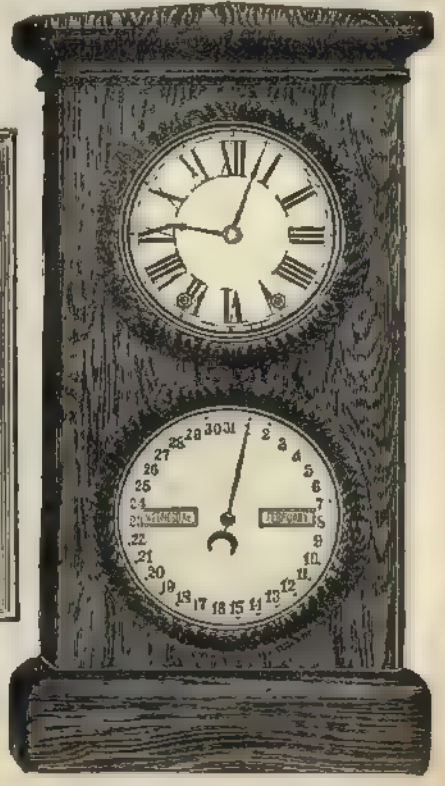
No 11546 . . . . . Each, $46 70



FLAKE (Showing Calendar)

Eight-Day, Pendulum. 12-inch Dial. Wood Case, White Acamantine Finish. Can be cleaned with a damp cloth any number of times without injury to the finish. Diameter, 16 inches.

No. 11547—Time . . . . . Each, $13.75
No. 11548—Strike . . . . . Each, 15.10
No. 11549—Time and Calendar . . . . . Each, 14 40
No. 11550—Strike and Calendar. Each, 15.75



PARLOR (MANTEL) CALENDAR No. 3
Mahogany Veneered, Polished
Eight-Day Spring Strike, Cup Bell.
8-inch Dials. Height 27 inches
Perpetual Calendar.

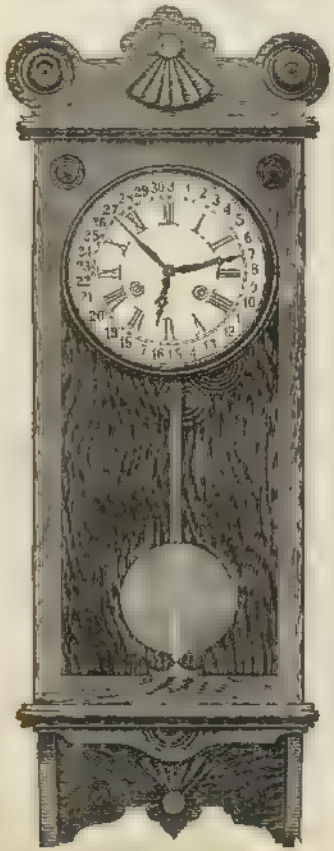
No. 11551 . . . . . Each, $22.35

Waterbury Clock Co.'s Fine Office Clocks and Regulators

Guaranteed Accurate Timekeepers

ARMIRAL - Oak

No.		Each
11	8 Day Time	$ 9
1	8 Day Half Hour Strike	11
1	8 Day Half Hour Strike, Gong	
1	8 Day Time, Calendar	1
1	8 Day Half Hour Strike, Calendar	
1	8 Day Hour Strike, Gong, Calendar	1 70
11	8 Day Time with Second Hand, 12-inch Dial. Height, 32½ inches	1



WALTON Oak

No.		Each
11	8 Day Spring Time	$14 70
11	8 Day Spring Half hour Strike, Gong	16 70
11	8 Day Spring Time, Calendar	15 35
11570	8 Day Spring Half hour Strike, Gong, Calendar	17 35

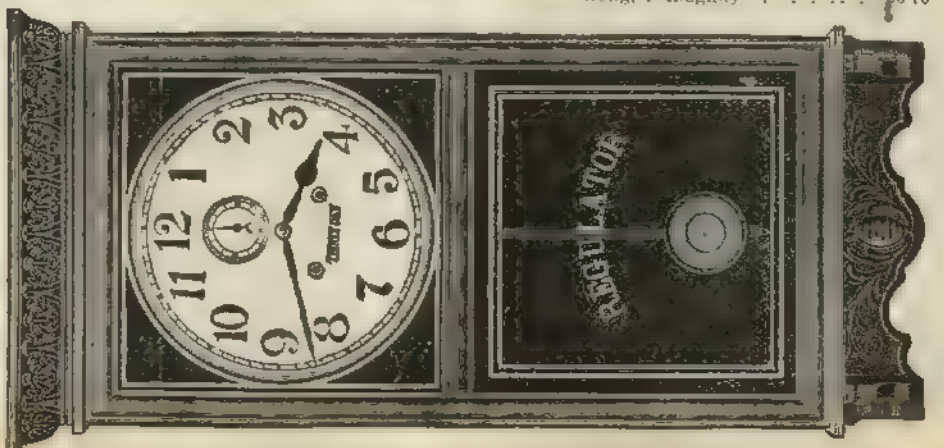
10-inch Dial.
Height, 41 inches. Width, 15¼ inches.

GALESBURG
Oak or Mahogany
Beveled Glass
Height 42 inches. Width 15¾ inches

No.		Each
11	8 Day Spring Time, Oak	$ 8
11	8 Day Spring Time, Mahogany	22 70
11561	8 Day Spring Half hour Strike Gong, Oak	21 35
11562—8	Day Spring Half hour Strike Gong, Mahogany	24 70

PICTOU
Oak or Mahogany
Glass Sides
Beveled
Height 50¾ inches. Width 16¾ inches.

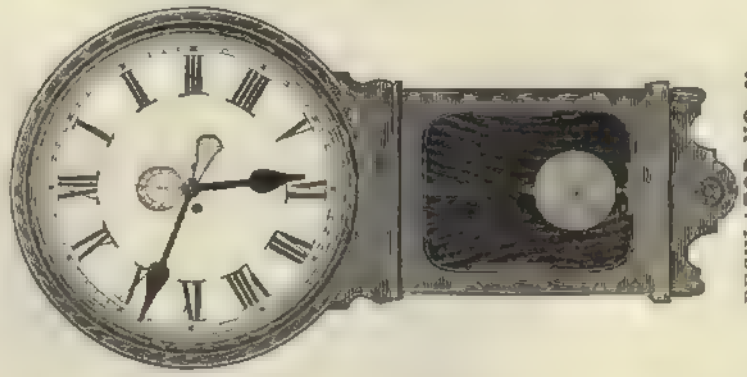
No.		Each.
11	8 Day Spring Time, Oak	$ 3
11560	8 Day Spring Time, Mahogany	$ 4 70
1156	8 Day Spring Half hour Strike, Gong, Oak	$ 3 35
11566—8	Day Spring, Half-hour Strike Gong, Mahogany	$ 6 70



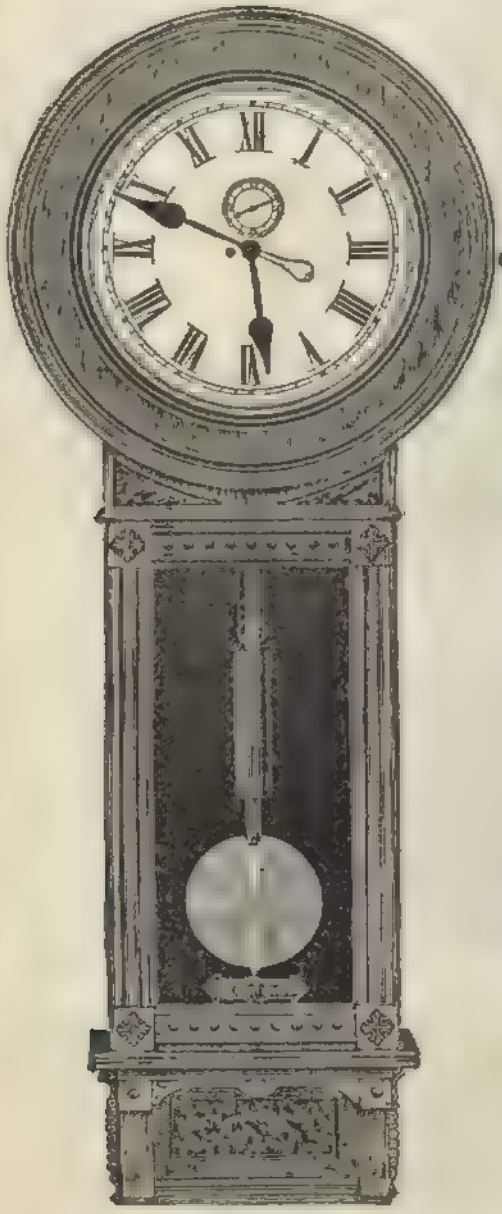
STORE—Oak or Mahogany Finish
12-inch Dial. Height, 36¾ inches. Width, 17½ inches.
No. 11571—30 Day, Time, with Second Hand. ..... Each, $12.00

Waterbury Clock Co.'s Fine Regulators

Guaranteed
Accurate
Timekeepers



REGULATOR NO. 80
Oak
8 Day, Weight, Time
Dead-beat Escapement, Retaining Power
Solid Movement Frames
18 inch Dial. Height, 41 inches.
No. 11572 .....Each $36 00



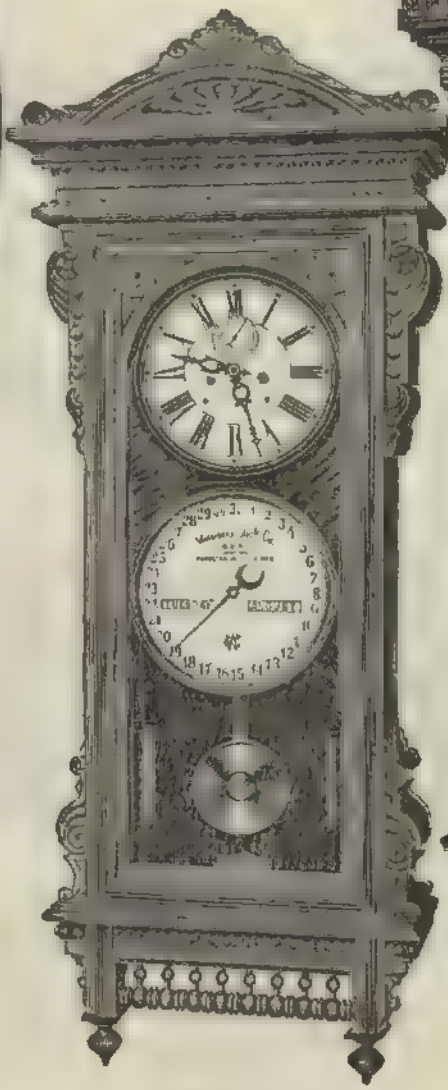
REGULATOR No. 66

Quartered Oak

8 Day, Weight, Time. Brass Weight
Beats Seconds, Dead-beat Escapement
Retaining Power

Solid Polished Movement Frames.
18 inch Dial. Height, 67½ inches.

No. 11573 ... Each $66 70



CALENDAR No. 25

Quartered Oak or Mahogany.

8 Day Weight, Time. Brass Weights.
Dead-beat Escapement, Retaining Power.
Solid Polished Movement Frames.
10 inch Dials. Height, 49½ inches.
Width, 19¼ inches.

No. 11574—Oak .....Each, $41 70
No. 11575—Mahogany .....Each, 45.70

REGULATOR No. 67

Oak, Walnut or Mahogany

8 Day, Weight, Time.
Dead-beat Escapement, Retaining Power.
Solid Polished Movement Frames.
12 inch Dial. Height, 50 inches.
Width, 22 inches.

No. 11576—Oak .. Each, $32 00
No. 11577 -Walnut . . .Each, 32 00
No. 11578—Mahogany .Each, 36 00

Seth Thomas Clock Co.'s Fine Office Clocks and Regulators

OFFICE CALENDAR No. 7.
Mahogany Veneered, Polished
Eight Day, Spring, Time
Eight Day, Spring, Strike, Cup Bell
10 in Tim Dial Sun Calendar Dial
Height, 26 in Perpetual Calendar
No 11579 Time ..Each, $26 70
No 11580 Strike ..Each 29 35

All Orders Filled Same Day Received

OFFICE CALENDAR No. 13
Mahogany and Old Oak
Eight Day, Time
12 inch Dials Height, 49 inches
Perpetual Calendar
No 11581 .. Each, $60 00

REGULATOR No. 20
Mahogany and Old Oak Eight-Day, Weight, Time Beats Seconds 14-inch Dial, Height, 62 inches Large movement wood rod, brass-covered zinc ball, Graham dead beat escapement, and maintaining power
The round top and two side pieces can be removed if a plain top case is desired
No 11582 .. Each, $73 35

REGULATOR No. 2
Mahogany and Old Oak Eight-Day, Weight, Time 12-inch Dial Height, 49 inches Movement same as in Regulator No 2
No. 11583 .. Each, $46 70

SPARK PLUGS

Types for Principal Cars, Motor Trucks, Motor Boats, Motorcycles, Etc.

PLATE No. 1—VARIOUS TYPES AND LENGTHS OF ½ INCH PLUGS—HALF ACTUAL SIZE

Style A
Standard

Style B
Long Body

Style C
½ Inch
Extension

Style D
¾ Inch
Extension

Style E
1 Inch
Extension

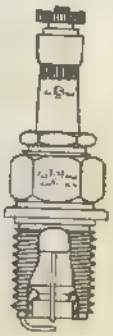
Style F
1¼ Inch
Extension

Combination
Porcelain and
Mica Insulator
Modified Closed
End

PLATE No. 2—VARIOUS TYPES AND LENGTHS OF A. L. A. M. OR S. A. E. (2/4-18) PLUGS—HALF ACTUAL SIZE

Style A
Standard

Style B
Long Body



Style C
Knight Type

Style D
½ Inch
Extension

Style E
1 Inch
Extension

Combination
Porcelain and
Mica Insulator
Modified
Closed End

PLATE No. 3—VARIOUS TYPES AND LENGTHS OF METRIC PLUGS—HALF ACTUAL SIZE

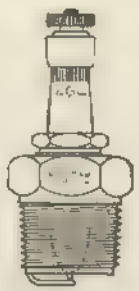
Style A
Standard

Style B
Standard
Motorcycle

Style C
Long Body

Style D
Mercedes Type

Combination
Porcelain and
Mica Insulator
Modified
Closed End

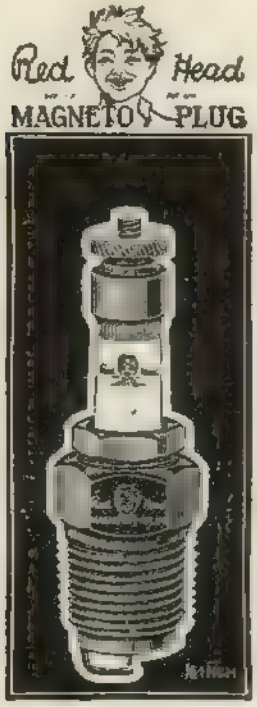


¾ Inch Pipe
Thread Length
Standard

SPARK PLUGS

A. L. A. M.

REGULAR



Regular For motors up to 40 H P where there are no extraordinary conditions Weight each 3 ounces Each..... **$1.00**

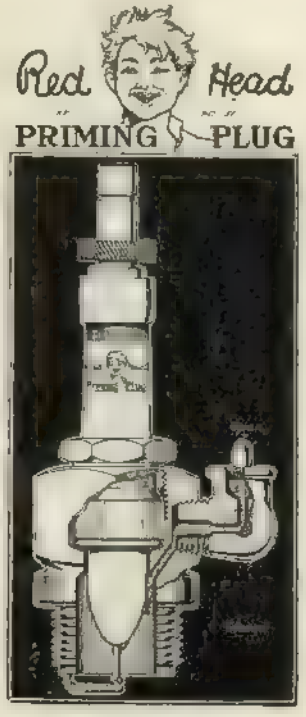
One in a cardboard box

COMBINATION

Combination Extra heavy shell and bushing insulated with both mica and porcelain. Weight each 6 ounces Each..... **$1.00**

One in a wooden box

PRIMING



Priming Gasoline flows directly to sparking points where it vaporizes and is ignited. Weight each 6 ounces, each **$1.50**

One in a wooden box

PLATINUM POINT

Platinum Point Cannot possibly fuse or corrode from heat. Weight each about 3 ounces, each.....**$1.00**

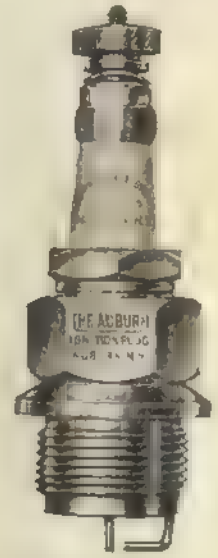
One in a wooden box

SPARK PLUGS

SPIT-FIRE

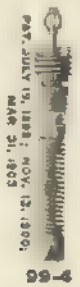
Spit-fire spark plug, ½ inch, weight 3 ounces, each $1.00
¾ inch, weight 4 ounces, each 1.50

STANDARD



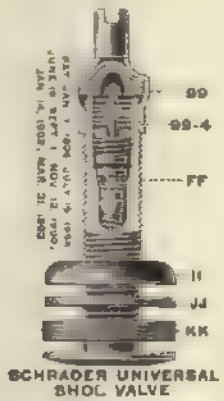
Conical spark plug, ½ inch, weight 4 ounces, each.....$0.80

VALVE INSIDES

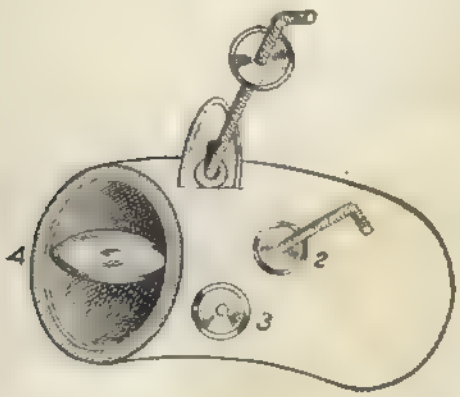


No. 99 Schrader valve insides, weight per dozen 3 ounces, per dozen.....$0.90

VALVES



Schrader Universal metal base valve, weight per dozen 9 ounces, per dozen.....$3.00



SAMSON BRASS PLUGS

Small, weight per dozen 2 ounces, per dozen..... $1.50
Medium, weight per dozen 3 ounces, per dozen..... 1.50
Large, weight per dozen 4 ounces, per dozen..... 1.50

BATTERY CONNECTORS

PERFECTION

Perfection Connectors, weight per dozen about ½ pound, per dozen.....$0.60

STANDARD

Standard Connectors weight per dozen about ½ pound per dozen $0.30

100 in a box

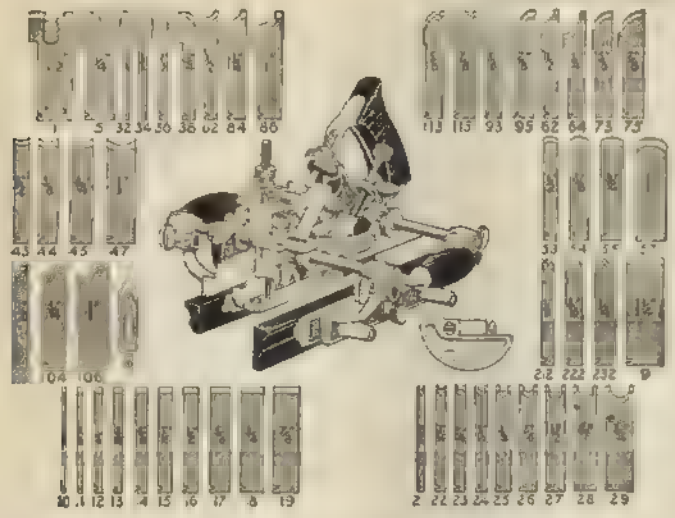
SPARK PLUGS

Table of Sizes and Types Recommended for the Principal Motor Cars, Motor Trucks, Motor Boats, Motorcycles, Etc.

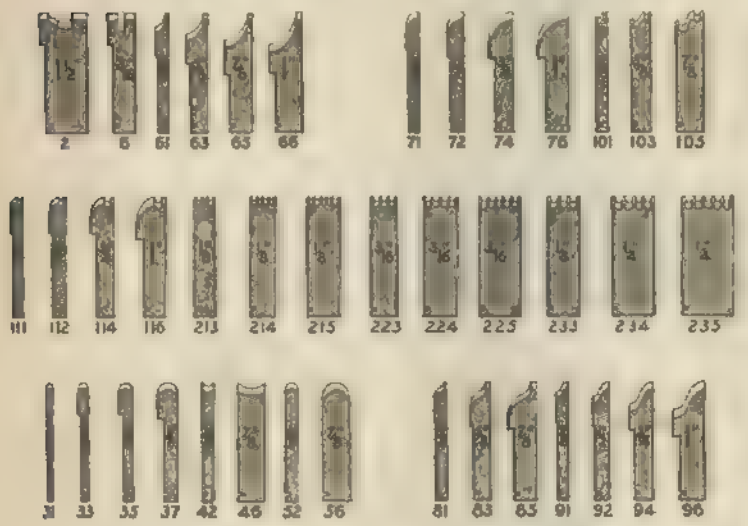
Name	Size Plug	Style No.	Plate No.
Abbott	A.L.A.M.	A	2
*Acme M. T.	A.L.A.M.	A	2
Alco	A.L.A.M.	A	2
*Alpena	A.L.A.M.	A	2
American	½ inch	A	1
American M. C.	Metric M.C.	B	3
*American & British	A.L.A.M.	A	2
*Ames	A.L.A.M.	A	2
Amplex	Special		
Apperson	A.L.A.M.	A	2
Atlas E.	A.L.A.M.	A	2
Atlas-Knight	A.L.A.M.	C	3
Atterbury M. T.	A.L.A.M.	A	2
Auburn	½ inch	D	1
Austin	A.L.A.M.	A	2
Autocar	A.L.A.M.	A	2
*Available M. T.	A.L.A.M.	A	2
Babcock	A.L.A.M.	A	2
*Barber M. E.	½ inch	A	1
*Beaver E.	A.L.A.M. and ½ inch	A	1&2
Bellfuss E.	½ inch	A	1
*Bell Isle M. E.	½ inch	A	1
Benz	Metric	A	3
Benz-Knight	A.L.A.M.	A	2
Brennabor	Metric	A	3
*Bronson E.	½ inch	A	1
*Brooks	½ inch	A	1
*Brown E.	½ inch	A	1
Brownell	½ inch	A	1
Brush	½ inch	A	1
*Buckeye	A.L.A.M.	A	2
*Buckeye E.	½ inch	A	1
Buffalo M. E.	A.L.A.M.	D	2
Buick	A.L.A.M.	D	2
C. G. V.	Metric	A	3
Cadillac	A.L.A.M.	A	2
*Caille M. E.	½ inch	A	1
*Capitol M. E.	½ inch	A	1
Carlisle-Finch M. E.	½ inch	A	1
Carter	A.L.A.M.	A	2
*Case	A.L.A.M.	A	2
*Chalmers M.	½ inch	A	1
Chalmers	A.L.A.M.	A	
Chase M. T.	½ inch	A	
*Chase E.	½ inch	A	
Cino	A.L.A.M.	A	
*Clark	A.L.A.M.	A	
Clement-Bayard	Metric	A	
*Colby	A.L.A.M.	A	
Cole	A.L.A.M.	A	
Columbia	A.L.A.M.	A	
Columbia-Knight	A.L.A.M.	C	
Continental E.	A.L.A.M.	A	
*Corbitt	A.L.A.M.	A	
Cornell	A.L.A.M.	A	
Courier	½ inch	A	1
Crow	½ inch	A	1
*Crown M. T.	½ inch	A	1
Cunningham	A.L.A.M.	A	2
*Cutting	½ inch	A	1
Daimler	Metric	A	
Daniels M. T.	½ inch	A	1
*Day Utility	A.L.A.M. and ½ inch	A	1&2
Decauville	Metric	A	3
De Dietrich	Metric	A	3
De Dion	Metric	A	3
Delahaye	Metric	A	3
*De Long	½ inch	A	1
*Detroit M. & M. Co.	½ inch	A	1
Detroiter	½ inch	A	1
*Deyo Macey E.	½ inch and A.L.A.M.	A	1&2
*Domestic E. & P. Co.	½ inch	A	1
Dorris	A.L.A.M.	D	2
*Durocar	½ inch and A.L.A.M.	A	1&2
Eagle M. E.	½ inch	A	1
*Ellis E.	½ inch	A	1
Elbridge M. E.	½ inch	A	1
E. M. F.	½ inch	A	1
Enger	A.L.A.M.	A	2
Excelsior	A.L.A.M.	A	2
Excelsior M. C.	Metric M.C.	B	3
Fairbanks Morse E.	½ inch	A	1
*Falls Machine Co.	A.L.A.M.	A	2
*Federal M. T.	A.L.A.M.	A	2
Ferro M. E.	½ inch	A	1
Fiat (American)	A.L.A.M.	A	2
Fiat (Italian)	Metric	A	3
Firestone Columbus	A.L.A.M.	A	2
*Fisherman M. E.	½ inch	A	1
Flanders	A.L.A.M.	A	2
Flanders M. C.	Metric M.C.	B	3
*Foos	½ inch	A	1
Ford	½ inch	A&B	1
*Fox M. E.	½ inch	A	1
Franklin	Thread and A.L.A.M.	A	1&2
Frisbie M. E.	½ inch	C	1
G. J. G.	A.L.A.M.	A	2
*Garford	A.L.A.M.	A	2
*Gilson E.	½ inch	A	1
Glide	A.L.A.M.	A	2
*Grabowsky M. T.	A.L.A.M.	A	2
Gramm M. T.	A.L.A.M.	A	2
Gray M. E.	½ inch	A	1
*Great Eagle	A.L.A.M.	A	2
Great Western	½ inch	A	1
*Guy Vaughan	A.L.A.M.	A	2
*Haish E.	½ inch and A.L.A.M.	A	1&2
*Harley-Davidson M. C.	A.L.A.M.	A	2
*Harwood-Harley Mfg. Co.	A.L.A.M.	A	2
*Hatfield M. T.	A.L.A.M.	D	2
Havers	½ inch	A	1
Haynes	A.L.A.M.	A	2
*Hazard E.	A.L.A.M.	A	2
Heer E.	½ inch	D	1
*Helder E.	A.L.A.M.	A	2
*Henderson M. C.	½ inch	A	1
*Herreshoff	Metric	A	3
Hershell-Spillman E.	½ inch	A	1
Hewitt M. T.	Metric	A	3
Hudson	A.L.A.M.	A	2
*Hupmobile	A.L.A.M.	A	2
I. H. C.	½ inch	A	1
Imperial	½ inch	A	1
Indian M. C.	Metric	B	3
*Interstate	A.L.A.M.	A	2
Isotta	Metric	A	3
Jackson	A.L.A.M.	A	3
*Juger	½ inch	A	1
Jencick E.	½ inch	A	1
*Kanawaha M. T.	½ inch and A.L.A.M.	A	1&2
*Kelly	A.L.A.M.	A	2
Kenosha M. T.	A.L.A.M.	A	2
*Kenosha F.	½ inch	A	1
*Kessler M. T.	½ inch	A	1
King	A.L.A.M.	A	2
Kissel Kar	½ inch	A	1
*Kline Kar	A.L.A.M.	A	2
*Knox M. E.	½ inch	A	1
Knox	A.L.A.M.	A	2
Krit	½ inch	A	1
*Lambert	½ inch	A	1
Lancia	Metric	A	3
Lauth-Juergens M. T.	A.L.A.M.	A	2
*Lenox	A.L.A.M.	A	2
*Lexington	A.L.A.M.	A	2
*Lippert	½ inch	A	1
Lippard-Stewart	A.L.A.M.	A	2
Locomobile	A.L.A.M.	A	2
*Loew-Victor M. E.	½ inch	A	1
*Longest M. T.	½ inch	A	1
*Luitweiler Fire E.	½ inch	A	1
*M. M. (M. C.)	Metric M.C.	B	3
*McFarlan	A.L.A.M.	A&B	1&2
McLaughlin	A.L.A.M.	A	2
*McKay	A.L.A.M.	A	2
*McIntyre	½ inch	A	1
Mack M. T.	A.L.A.M.	A	2
*Mais M. T.	A.L.A.M.	A	2
*Marvel M. C.	Metric and ½ inch	A&B	1&3
Marathon	½ inch	A	1
Marion	A.L.A.M.	A	2
Marmon	A.L.A.M.	A	2
Mason	½ inch	A	1
Matheson	½ inch	A	1
Maxwell	½ inch	A	1
Mercedes	Metric	D	3
Mercer	A.L.A.M.	A	2
Merkel M. C.	Metric	B	3
Metz 22	½ inch	F	1
Michigan	A.L.A.M.	A	2
*Michigan Steel Boat	½ inch	A	1
*Middletown	½ inch	A	1
*Midland	A.L.A.M.	A	2
*Miller G. E.	½ inch	A	1
Minneapolis M. C.	Metric M.C.	B	3
Mitchell	½ inch	A	1
Model G. E.	½ inch	A	1
*Modern M. T.	A.L.A.M.	A	2
Moline	½ inch	A	1
Moon	½ inch	A	1
*Moore Plow & I. Co.	½ inch	A	1
*Mora M. T.	½ inch	A	1
Motor Wagon	½ inch	C	1
Moyer	A.L.A.M.	A	2
*Nance	A.L.A.M.	A	2
*National M. T.	A.L.A.M.	A	2
*New Era M. C.	Metric	B	3
*New York Yacht M. E.	½ inch	C	1
New Way E.	½ inch	A	1
*Niagara	½ inch	A	1
*Nichols & Shephard	⅛ inch and ¾ inch	A C	1 3
Northway E.	½ inch	A	1
*Norwalk	½ inch	A	1
Nyberg	A.L.A.M.	A	2
Oakland	A.L.A.M.	A	2
Ohio	A.L.A.M.	A	2
Oldsmobile	A.L.A.M.	A	2
*Oswald E.	½ inch	A	1
*Otto G. E.	A.L.A.M.	A	2
*Ottomobile	A.L.A.M.	A	2
Overland	½ inch	A	1
Packard	Metric	A	3
Packers M. T.	½ inch	A	1
Paige	A.L.A.M.	A	2
Palmer Singer	A.L.A.M.	A	2
Panhard-Levassor	Metric	A	3
Pathfinder	A.L.A.M.	A	2
*Patterson	A.L.A.M.	A	2
Peerless	Metric	A	3
*Perkins E.	½ inch	A	1
Pickard	½ inch	A	1
Pierce M. C.	Metric M.C.	B	3
Pierce Arrow	Metric	A	3
*Piggins M. T.	½ inch	A	1
*Pilot	A.L.A.M.	A	2
Pope-Hartford M. C.	Metric M.C.	B	3
*Premier	A.L.A.M.	A	2
Pullman	A.L.A.M.	A	2
Rae	A.L.A.M.	A	2
*Randolph Motor Truck	½ inch	A	1
*Rapid	½ inch	A	1
Randolph M. T.	½ inch	A	1
Rapid M. T.	½ inch	A	1
Reading Standard M. C.	Metric	B	3
*Red Wing M. E.	½ inch	A	1
*Regal	½ inch	A	1
*Reid G. E.	½ inch	A	1
Reliance M. T.	A.L.A.M.	A	2
Renault	Metric	A	3
*Reo	½ inch	C	1
Republic	A.L.A.M.	A	2
*Rex	½ inch	A	1
Rider	A.L.A.M.	A	2
*Riker M. E.	½ inch	A	1
*Rogers M. E.	½ inch	A	1
*Russell	A.L.A.M.	A	2
*Rutenber	A.L.A.M.	A	2
Saxon	A.L.A.M.	A	2
Sayer	A.L.A.M.	A	2
*Schebler	½ inch	A	1
*Sandusky M. T.	A.L.A.M.	A	2
Saurer M. T.	Metric	A	3
Schacht	A.L.A.M.	A	2
Scripps M. E.	½ inch	A	1
Seagrave F. E.	A.L.A.M.	A	2
*Seagrave	Metric	A	3
*Secord & Orr	½ inch	A	1
Selden	A.L.A.M.	A	2
*Shaw M.	½ inch	A	1
*Shaw M.	Metric M.C.	B	3
*Sheraton G. E.	½ inch	A	1
*Simplex	Metric	B	3
*Smith Mfg. Co.	½ inch	A	1
Speedwell	Metric M.C.	B	3
Speedwell M. E.	A.L.A.M.	A	2
*Stafford	½ inch	A	1
Stafford M. E.	A.L.A.M.	A	2
Stearns-Knight	A.L.A.M.	A	2
Sterling M. E.	½ inch	A	1
Sternberg M. T.	½ inch	A	1
Stevens-Duryea	A.L.A.M.	D	2
Stoddard Dayton	A.L.A.M.	A	2
Stoddard Dayton Knight	A.L.A.M.	A	2
Stutz	A.L.A.M.	A	2
Thomas	A.L.A.M.	A	2
Thor M. C.	Metric M.C.	B	3
*Toledo G. E.	½ inch	A	1
*Traverse E.	½ inch	A	1
Trebert E.	½ inch	A	1
*Tudhope	A.L.A.M.	A	2
*Universal M. T.	A.L.A.M.	A	2
*Universal Mach. Co.	½ inch	A	1
*Veerac M. T.	½ inch	C	1
*Velie	A.L.A.M.	A	2
Victor M. T.	A.L.A.M.	A	2
*Vulcan	½ inch	A	1
*Wagenhals M. T.	½ inch	A	1
Warren	A.L.A.M.	A	2
Waterman M. E.	½ inch	A	1
Webb F. E.	A.L.A.M.	A	2
*Westcott	A.L.A.M.	A	2
White	Metric	A	3
Wilcox M. T.	½ inch	A	1
*Wilson Mach. Co.	½ inch	A	1
Winton	½ inch	C	1
*Wisconsin E.	½ inch	A	1
*Wonder	½ inch	A	1
Yale M. C.	Metric M.C.	B	3
*Zimmerman	½ inch	A	1

ADJUSTABLE IRON PLANES

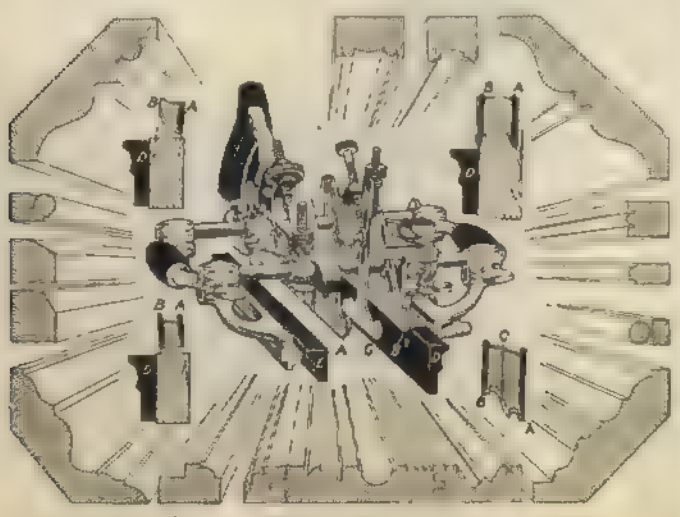
STANLEY'S "FIFTY-FIVE."



Cuts Showing No. 55 Plane and Cutters Furnished with Same.



Cuts Showing Special Cutters for No 55 Plane.



Cut Shows Some of the Mouldings that can be made with Cutters regularly furnished with No. 55 Plane.

This Tool, in addition to being a Beading and Center Beading Plane, a Plow, Dado, Rabbet, Filletster, and Match Plane, a Sash Plane and a Slitting Plane, is also a superior Moulding Plane, and will accommodate cutters of almost any shape and size. In fact, it is **"a Planing Mill within Itself."**

The Plane is fitted with Spurs for working across the grain, and a special Cam Rest, to be located on the front arm when working at a distance from the edge of the board, to keep the Fence from sagging, or on the rear arm on certain work, to prevent the possibility of the Plane rocking. All parts are interchangeable

No. 55—10 In Long Nickel Plated Stock, Rosewood Handles and Fences, Complete with 52 Cutters as Described Below, Put Up in a Neat Steel Box. Weight Each Complete 15¼ Lbs..... - **Each, $14.00**

The following cutters are furnished with each Plane The price is given in case duplicates should be required.

	Size	Style	Each
No. 1	1⅛ in.,	Sash Tool	$0.60
No. 5	¼ in.,	Match Tool	.60
No. 8		Slitting Tool	.30
No. 9	1¼ in.,	Filletster	
No. 10	⅛ in.,	Plow and Dado Tool	15
No. 11	3/16 in.,	Plow and Dado Tool	.15
No. 12	¼ in.,	Plow and Dado Tool	15
No. 13	5/16 in.,	Plow and Dado Tool	1
No. 14	⅜ in.,	Plow and Dado Tool	20
No. 15	7/16 in.,	Plow and Dado Tool	2
No. 16	½ in.,	Plow and Dado Tool	20
No. 17	⅝ in.,	Plow and Dado Tool	20
No. 18	¾ in.,	Plow and Dado Tool	.20
No. 19	⅞ in.,	Plow and Dado Tool	25
No. 21	⅛ in	Beading Tool	15
No. 22	¼ in.,	Beading Tool	15
No. 23	⅜ in.,	Beading Tool	15
No. 24	½ in	Beading Tool	20
No. 25	⅝ in	Beading Tool	20
No. 26	¾ in	Beading Too.	20
No. 27	⅞ in	Beading Tool	25
No. 28	⅛ in.,	Beading Tool	31
No. 29	¼ in,	Beading Tool	30
No. 32	⅛ in	Fluting Tool	30
No. 34	¼ in	Fluting Tool	30
No. 36	⅜ in	Fluting Tool	30
No. 38	½ in	Fluting Tool	30
No. 43	⅛ in	Hollow .20	
No. 44	¼ in	Hollow .20	
No. 45	⅜ in	Hollow .20	
No. 47	½ in	Hollow .20	
No. 62	⅜ in.	Quarter Hollow	.45
No. 64	½ in	Quarter Hollow	50
No. 73	⅝ in	Quarter Round	45
No. 75	⅞ in	Quarter Round	50
No. 82	⅜ in	Reverse Ogee	45
No. 84	½ in	Reverse Ogee	50
No. 86	⅝ in.	Reverse Ogee	50
No. 93	⅝ in	Roman Ogee	45
No. 95	⅞ in	Roman Ogee	50
No. 102	⅜ in	Grecian Ogee	45
No. 104	½ in	Grecian Ogee	50
No. 106	1 in	Grecian Ogee	
No. 113	⅝ in	⅛ Round with Bead	45
No. 115	⅞ in	¼ Round with Bead	50
No. 212	⅜ in.	Reeding Tool, 2 Beads	20
No. 222	⅝ in	Reeding Tool, 2 Beads	20
No. 223	⅞ in	Reeding Tool, 3 Beads	20

No. 53	⅛ in.,	Round	No. 54	¼ in.,	Round .20
No. 55	⅜ in.,	Round	No. 57	1 in.,	Round 20

SPECIAL CUTTERS FOR No. 55 PLANE.

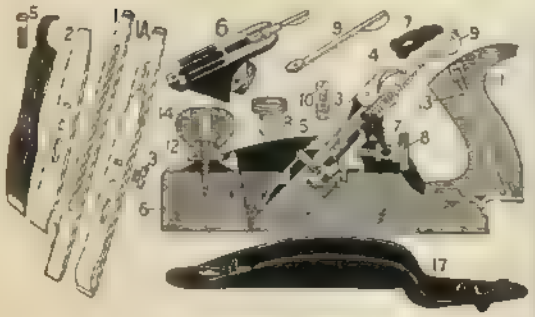
	Size	Style	Each
No. 2	1⅛ in.,	Sash Tool	$0
No. 6	¼ in.,	Match Tool	50
No. 31	⅛ in.,	Fluting Tool	
No. 33	⅛ in	Fluting Tool	30
No. 35	⅛ in	Fluting Tool	
No. 37	⅜ in	Fluting Tool	30
No. 42	¾ in	Hollow .20	
No. 46	⅞ in.,	Hollow .20	
No. 61	⅜ in.,	Quarter Hollow	45
No. 63	½ in.,	Quarter Hollow	45
No. 65	⅝ in.,	Quarter Hollow	.50
No. 66	1 in	Quarter Hollow	.50
No. 71	⅜ in	Quarter Round	45
No. 72	½ in	Quarter Round	45
No. 74	¾ in	Quarter Round	50
No. 76	1 in	Quarter Round	50
No. 81	⅜ in	Reverse Ogee	45
No. 83	½ in	Reverse Ogee	45
No. 85	¾ in	Reverse Ogee	50
No. 91	⅜ in	Roman Ogee	45
No. 92	½ in	Roman Ogee	45
No. 94	¾ in	Roman Ogee	50
No. 96	1 in	Roman Ogee	50
No. 101	⅜ in	Grecian Ogee	45
No. 103	½ in	Grecian Ogee	45
No. 105	¾ in	Grecian Ogee	50
No. 111	⅜ in	⅛ Round with Bead	45
No. 112	½ in	¼ Round with Bead	45
No. 114	¾ in	¼ Round with Bead	50
No. 116	1 in	¼ Round with Bead	50
No. 213	⅛ in	Reeding Tool 3 Beads	30
No. 214	⅛ in	Reeding Tool, 4 Beads	4
No. 215	⅛ in	Reeding Tool, 5 Beads	5
No. 223	⅞ in	Reeding Tool, 3 Beads	20
No. 224	⅛ in	Reeding Tool, 4 Beads	40
No. 225	⅞ in	Reeding Tool, 5 Beads	50
No. 233	¼ in	Reeding Tool, 3 Beads	30
No. 234	¼ in	Reeding Tool 4 Beads	40
No. 235	¼ in	Reeding Tool, 5 Beads	50

EXTRA PARTS FOR STANLEY PLANES

"BAILEY" IRON PLANES.

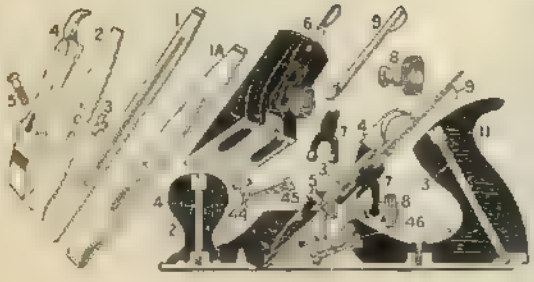
NO	NAME OF PART	NO. OF PLANE	1	2 2C	3 3C	4 4C	4½ C	5 5C	5½ C	6 6C	7 7C	8 8C
1A	Double Plane Iron		$0 32	0 35	0 38	0 42	0 48	0 42	0 47	0 48	0 48	0 50
1	Single " "		18	21	23	25	29	25	28	29	29	32
2	Plane Iron Cap		14	14	16	17	18	17	19	19	19	18
3	Cap Screw		05	05	05	05	05	05	05	05	05	05
4	Lever Cap		25	25	25	25	25	25	25	25	25	25
5	" " Screw		05	05	05	05	05	05	05	05	05	05
6	Frog Complete		35	35	35	35	35	35	35	35	35	35
7	"Y" Adjusting Lever		05	05	05	05	05	05	05	05	05	05
8	Adjusting Nut		10	10	10	10	10	10	10	10	10	10
9	Lateral Adj Lever		10	10	10	10	10	10	10	10	10	10
10	Frog Screw		05	05	05	05	05	05	05	05	05	05
11	Plane Handle		20	20	20	20	20	20	20	20	20	20
12	" Knob		15	15	15	15	15	15	15	15	15	15
13	Handle Bolt & Nut		10	10	10	10	10	10	10	10	10	10
14	Knob " "		10	10	10	10	10	10	10	10	10	10
15	Plane Handle Screw						05	05	05	05	05	05
16	Plane Bottom		85	85	1 00	1 00	1 20	1 20	1 20	1 65	2 35	2 35
46	Frog Adj Screw		05	05	05	05	05	05	05	05	05	05

"BAILEY" WOOD PLANES.



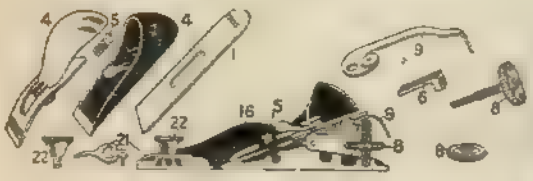
NO	NAME OF PART	NO OF PLANE	21 22 23	24 25 35	26	27	27½	28 29	30 31	32 33 34	36	37
1A	Double Plane Iron		$0 38	0 42	0 42	0 46	0 47	0 48	0 48	0 50	0 48	0 50
1	Single " "		23	25	25	27	28	29	29	32	29	32
2	Plane Iron Cap		15	17	17	18	19	19	19	18	19	18
3	Cap Screw		05	05	05	05	05	05	05	05	05	05
4	Lever Cap		20	20	20	20	20	20	20	20	20	20
5	" " Screw		05	05	05	05	05	05	05	05	05	05
6	Frog Complete		30	30	30	30	30	30	30	30	30	30
7	"Y" Adjusting Lever		05	05	05	05	05	05	05	05	05	05
8	Adjusting Nut		10	10	10	10	10	10	10	10	10	10
9	Lateral Adj Lever		10	10	10	10	10	10	10	10	10	10
10	Frog Screw & Bush'g		10	10	10	10	10	10	10	10	10	10
11	Plane Handle			10	10	10	10	10	10	10	10	10
12	" Knob		10	10	10	10	10	10	10	10	10	10
13	Handle Bolt & Nut			10	10	10	10	10	10	10	10	10
14	Knob " "		10	10	10	10	10	10	10	10	10	10
18	Plane Bottom		40	40	50	50	50	70	80	85	60	70
17	Top Casting		20	20	20	20	20	20	20	20	20	20

"BED ROCK" PLANES.



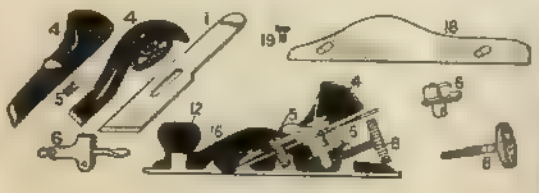
NO.	NAME OF PART	NO OF PLANE	602 C	603 C	604 C	604½ C	605 C	605½ C	606 C	607 C	608	608 C
1A	Double Plane Iron		$0 35	0 38	0 42	0 48	0 42	0 47	0 48	0 48	0 60	0 60
1	Single " "		21	23	25	29	25	28	29	29	32	32
2	Plane Iron Cap		14	16	17	19	17	19	19	19	18	18
3	Cap Screw		05	05	05	05	05	05	05	05	05	05
4	Lever Cap		30	30	30	30	30	30	30	30	30	30
5	" " Screw		05	05	05	05	05	05	05	05	05	05
6	Frog Complete		50	50	50	50	50	50	50	50	60	60
7	"Y" Adjusting Lever		05	05	05	05	05	05	05	05	05	05
8	Adjusting Nut		10	10	10	10	10	10	10	10	10	10
9	Lateral Adj Lever		10	10	10	10	10	10	10	10	10	10
11	Plane Handle		20	20	20	20	20	20	20	20	20	20
12	" Knob		15	15	15	15	15	15	15	15	15	15
13	Handle Bolt & Nut		10	10	10	10	10	10	10	10	10	10
14	Knob " "		10	10	10	10	10	10	10	10	10	10
15	Plane Handle Screw					05	05	05	05	05	05	05
16	Plane Bottom		1 10	1 25	1 25	1 50	1 50	1 60	2 20	3 10	3 50	3 50
44	Frog Pin		10	10	10	10	10	10	10	10	10	10
45	Frog Clamping Screw		05	05	05	05	05	05	05	05	05	05
46	Frog Adjusting Screw		05	05	05	05	05	05	05	05	05	05

"BAILEY" AND STANLEY BLOCK PLANES.



NO.	NAME OF PART	NO OF PLANE	9½ 9¾	15 15½	16 17	18	19	60	60½	61	65	65½
1	Single Plane Iron		$0 17	0 17	0 17	0 17	0 17	0 17	0 17	0 17	0 17	0 17
4	Lever Cap		10	10	15	20	20	15	10	15	15	10
5	" " Screw		05	05	05	05	05	05	05	05	05	05
6	Frog Complete		..	..	..	..	..	10	10	10	10	10
7	Adjusting Lever		05	05	05	05	05	...	..	..	..	..
8	Adjusting Nut		10	10	10	10	10	10	10	10	10	10
9	Lateral Adj Lever		10	10	10	10	10	...	..	..	..	..
11	Plane Handle		25	25	..	..	..	..	..	..	..	..
16	Plane Bottom		70	75	75	70	75	60	60	40	75	75
21	Eccentric Plate		10	10	10	10	10	10	10	10	10	10
22	Finger Rest Knob		10	10	10	10	10	10	10	10	10	10

STANLEY BLOCK PLANES.

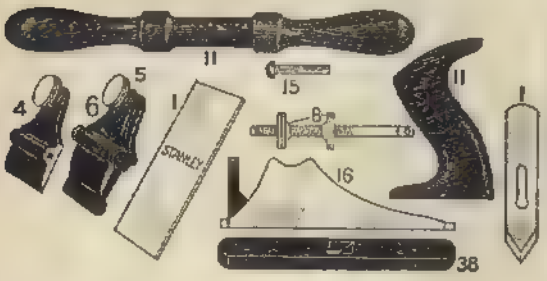


NO	NAME OF PART	NO OF PLANE	100 101	102	103	110	120	130	131	140	203	220
1	Single Plane Iron		$0 05	0 10	0 10	0 13	0 17	0 13	0 17	0 20	0 20	0 17
4	Lever Cap		05	10	10	10	10	10	10	15	10	10
5	" " Screw		..	..	..	..	....	....	05	05	05	05
6	Frog Complete		..	....	..	..	15	....	15	10	10	10
8	Adjusting Nut		..	....	..	..	....	....	10	10	10	10
12	Plane Knob		..	....	..	..	....	....	15	15	10	10
16	Plane Bottom		10	15	20	25	30	35	70	75	25	30
18	Detachable Side			..		..		....	..	25	....	....
19	Side Screw (Pair)							....	....	10	....	....

NOTE—When Ordering Plane Parts, Always Give Plane Number and Part Number.

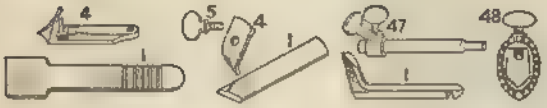
EXTRA PARTS FOR STANLEY PLANES

SCRAPER AND CHAMFER PLANES.



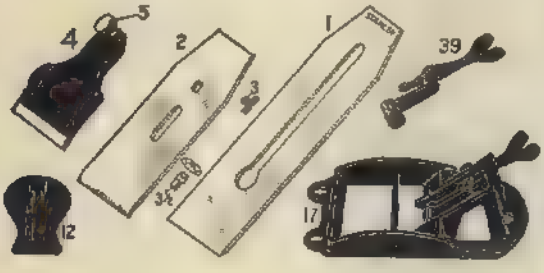
NO	NAME OF PART	NO. OF PLANE	12 12½	12¾	112	212	86	87	56	57	72	72½
1	Single Plane Iron		$0 20	0 20	0 20	0 20	0 20	0 20	0 25	0 30	0 20	0 20
4	Lever Cap		25	25	20	10	20	20	15	15	10	10
5	" " Screw								05	05	05	05
6	Frog Complete		80	70	35	10	30	30				
8	Adjusting Nut		10	10	10							
10	Frog Screw						05	05				
11	Plane Handle		50	50	20		25	20	20	10	30	30
12	" Knob				15	20	20	20		10	15	15
13	Handle Bolt & Nut				10		10	10		10	10	10
14	Knob " " "				10	10	10	10		10	10	10
15	Plane Handle Screw		05	05								
16	Plane Bottom		1 20	80	1 20	60	1 00	80	1 00	2 50	1 50	1 50
38	Extra Wood Bottom		50									

RABBET AND ROUTER PLANES.



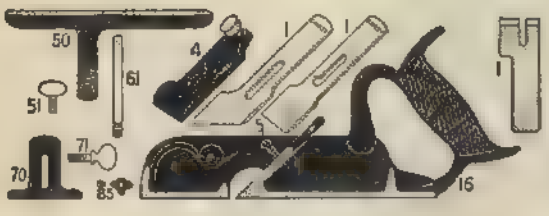
NO	NAME OF PART	NO. OF PLANE	90 92	93	94	196	98	99	71	71½	75	95
1	Single Plane Iron		$0 30	0 30	0 30	0 25	0 20	0 20	0 30	0 30	0 20	0 20
4	Lever Cap		15	15	15	10	10	10			10	10
12	Plane Knob						15	15	15	15		
14	Knob, Bolt & Nut								10	10		
16	Plane Bottom		1 75	2 10	2 50	1 20	60	60	1 00	1 00	80	80
27	Cutter Bolt Adj. Screw		20	20	20							
47	Extra Attachment								25			
48	Collar								25	25		

LEVER ADJUSTMENT AND SPECIAL PLANES.



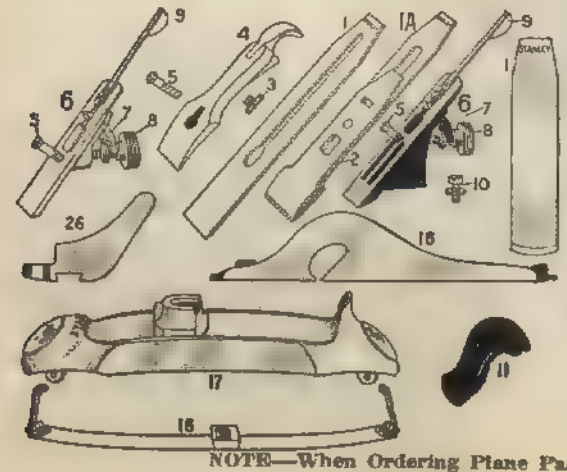
NO.	NAME OF PART	NO. OF PLANE	104	105	122	127	129	132	135	340	62	97
1A	Double Plane Iron		$0 45	0 45	0 38	0 45	0 48	0 50	0 45			
1	Single " "		27	27	23	27	29	32	27	30	30	45
2	Plane Iron Cap		18	18	15	18	18	18	18			
3	Cap Screw		05	05	05	05	05	05	05			
3½	Adj. Stud & Nut		05	05	05	05	05	05	05			
4	Lever Cap		10	10	10	10	10	10	10	10	15	15
5	" " Screw									05	05	05
11	Plane Handle		20	20		10	10	10	10	10	30	
12	" Knob		15	15	10	10	10	10	10	15	15	15
13	Handle Bolt & Nut		10	10		10	10	10	10	10	10	
14	Knob " " "		10	10						10	10	10
15	Plane Handle Screw					05	05	05	05			
16	Plane Bottom		85	1 35	40	45	70	85	45	80	1 75	1 00
17	Top Casting				30	30	30	30	30			
21	Eccentric Plate										10	
22	Finger Rest Knob										25	
39	Lever Adjustment		20	20	20	20	20	20	20			

RABBET, MATCHING AND DADO PLANES.



NO.	NAME OF PART	NO. OF PLANE	39	48	49	78	289	146	147 148	171	180 To 182	190 To 192
1	Single Plane Iron (Set)		$0 20	0 20	0 20	0 20	0 30	0 65	0 65	40	0 20	0 20
4	Lever Cap		10	10	10	10	10	15	15		10	10
16	Plane Bottom		1 20	1 20	2 00	1 00	1 20	1 50	1 60	90	75	80
50	Fence			60	60	25	20			30		
51	Fence Thumb Screw					05	05			05		
61	Short Arm					10	10			20		
70	Adj. Depth Gauge		20			20	20				20	20
71	Depth Gauge Th. Screw		10			10	10				10	15
85	Spurs with Screws		10			05	05					00

CARRIAGE, CIRCULAR AND SCRUB PLANES.



NO	NAME OF PART	NO OF PLANE	10 10C	10¼	10½ C	11 11C	113	20 20½	40	40½	51	74
1A	Double Plane Iron		$0 45	0 45	0 45	0 48	0 38	0 38			0 48	0 60
1	Single " "		27	27	27	29	23	23	20	25	28	32
2	Plane Iron Cap		18	18	18	19	15	15			18	18
3	Cap Screw		05	05	05	05	05	05			05	05
4	Lever Cap		25	25	25	25	25	25	10	10	25	30
5	" " Screw		05	05	05	05	05	05	05	05	05	10
6	Frog Complete		35	35	35	35	35	35			35	
7	"Y" Adjusting Lever		05	05	05	05	05	05			05	
8	Adjusting Nut		10	10	10	10	10	10			10	
9	Lateral Adj. Lever		10	10	10		10	10			10	
10	Frog Screw		05	05	05	05	05	05			10	
11	Plane Handle		20	40	20	30					05	
12	" Knob		15	30	15				10	10	20	100
13	Handle Bolt & Nut		10	10	10				10	10	15	
14	Knob " " "		10	10	10				10	10	10	
16	Plane Bottom		1 85	1 50	1 50	1 30	60	60	70	1 00	3 00	2 20
17	Top Casting						1 00	1 50				
26	Frog Seat							50				
35	Bottom Adj. Screw						50	25				
38	" " Nut							25				

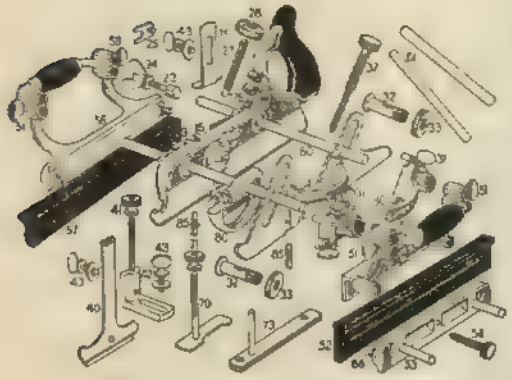
Note—

In several of the Planes, the Parts designated by the same name differ in form.

In these cases the corresponding Parts are given the same number; and when the Part is not shown directly opposite the number of the Plane, it will be found in another place on the plate.

NOTE—When Ordering Plane Parts, Always Give Plane Number and Part Number.

EXTRA PARTS FOR STANLEY PLANES



PARTS OF COMBINATION PLANES.

Nos	Name of Part	Plane's Nos	45	46	47	50	55	141 143	444
1	Cutters	Set,	$3 50	2 00	1 50	1 75	6 00	2 00	1 25
16	Main Stock or Bottom		2 50	2 50	2 50	1 75	3 00	3 00	2.50
23	Cutter Bolt		.15	.15	.15	.15	.15	..	..
24	Cutter Bolt Wing Nut		.15	.15	.15	.15	.15	..	
25	Cutter Bolt Clip and Screws		.05	.05	.05		.05	.	..
27	Cutter Bolt Adjusting Screws		.10				.10		
28	Cutter Bolt Adjusting Wheel		.10				.10		
30	Sliding Section		.50	1 50	1 50	.50	.75		
32	Thimble		..	.			.15	. .	. .
33	Thimble Check Nut						.15	.	.
34	Adjustable Bottom			.	.		1.25		
37	Adjustable Bottom Screw						.20		
40	Auxiliary Center Bottom						.50	.	
42	Angle Iron and Adjust. Screws						.30		
50	Left Fence		.75	.75		.75	1.15	1 50	1 00
52	Tilting Guard Plate (Wood)			.	.		.20	..	.
53	Tilting Iron with Swivel			.			.40	.	
54	Left Fence Adjusting Screw						.20		
56	Right Fence		.				1 00	.	1 25
57	Right Fence Tilting Plate		.	.	.		.20		.
60	Long Arms	Pair,	.50	.50	.50	.50	.50	.50	
61	Short Arms	Pair,	.25	.25	.25		.25		.25
70	Adjustable Depth Gauge		.20	.20	.20	.20	.20	.20	.
73	Adjustable Beading Stop		.20				.30	.	
75	Slitting Cutter Stop		.10	.10	.1	.10	.10	.	
80	Cam Stop		.40				.40		..
85	Spurs with Screws		.05	.05	.05	.05	.05	..	.05

Screws Nos. 29, 31, 41, 48, 51, 58, 71, 76, 82 and 136, 10c Each

NOTE—When Ordering Plane Parts, Always Give Plane Number and Part Number.

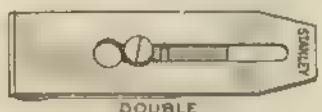
PLANE IRONS

STANLEY'S SINGLE

SINGLE

For "Bed Rock" and "Bailey" Iron and Wood Bottom Planes.

STANLEY'S DOUBLE



DOUBLE

Finest Quality English Steel, Tempered and Ground, Honed Ready for Use.

Width, Inches	1¾	1⅝	1¾	2
Weight Per Dozen, Lbs.	1½	2	2½	3
Each	$0 18	.21	.23	.25
Width, Inches	2⅛	2¼	2⅜	2⅝
Weight Per Dozen, Lbs.	3¼	3½	4	5
Each	$0 27	28	.29	32

One-half Dozen in a Box.

Width, Inches	1¾	1⅝	1¾	2
Weight Per Dozen, Lbs.	3½	4	4½	5½
Each	$0 32	.35	.38	.42
Width, Inches	2⅛	2¼	2⅜	2⅝
Weight Per Dozen, Lbs.	6¼	7	7¼	8¼
Each	$0 45	47	48	50

One-half Dozen in a Box.

BUCK BROS. SINGLE

For Wood Planes.

No. 59—High Grade English Cast Steel.

Width, Inches	1¾	1⅞	2	2⅛	2¼	2⅜
Wt. Per Dozen, Lbs	2½	2½	3	3¼	3½	4
Per Dozen	$3 30	3 60	3 75	3.90	4 50	5.00

One-half Dozen in a Box.

BUCK BROS. DOUBLE

For Wood Planes.

No. 60—High Grade English Cast Steel.

Width, Inches	1¾	1⅞	2	2⅛	2¼	2⅜
Wt. Per Dozen, Lbs	4½	4½	5½	6¼	7	7¼
Per Dozen	$6 30	6 70	6 90	7 20	7 90	8 75

One-half Dozen in a Box.

BLOCK PLANE IRONS

STANLEY'S

NON-ADJUSTABLE

ADJUSTABLE

		Each
No. 1—1	in. Wide, for Nos. 100 and 101 Non-Adjustable Planes	$0 05
No. 2—1⅜	in. Wide, for No. 102 Non-Adjustable Planes	.10
No. 3—1⅝	in. Wide, for No. 103 Adjustable Planes	.10
No. 4—1⅜	in. Wide, for Nos. 60 and 60½ Adjustable Planes	.17
No. 5—1⅝	in. Wide, for No. 120 Adjustable Planes	.17
No. 6—1⅝	in. Wide, for Nos. 110 and 120 Non-Adjustable Planes	.13
No. 7—1¾	in. Wide, for No. 140 Adjustable Plane	.20
No. 8—1⅝	in. Wide, for Nos. 9½, 9¾, 15, 16, 18, 65, 65½, 131 and 220 Adjustable Planes	.17

One Dozen in a Box.

ADJUSTABLE IRON PLANES

STANLEY'S SIDE RABBET

Each

No. 98—4 in., Right Hand, ⅛ in. Cutter, Nickel Plated, Rosewood Knob Weight Each ½ Lb. **$1 00**

No. 99—4 in., Left Hand, ⅛ in. Cutter, Nickel Plated Rosewood Knob, Weight Each ½ Lb **$1 00**

A convenient tool for Side rabbeting and trimming Dados, Mouldings and Grooves of all sorts A Reversible Nose-piece will give the Tool a form by which it will work close up into corners when required.

One in a Box

STANLEY'S CABINET MAKERS' RABBET

No 90

Nos 92 and 93

Adjustable Throat, Endwise Screw Adjustment, with "Hand-y" Feature.

Each

No. 90—4 in. Long, 1 in. Cutter, Nickel Plated, Weight Each 1 Lb. **$2 20**
No. 92—5½ in. Long, ⅝ in. Cutter, Nickel Plated, Weight Each 1½ Lbs. **2.20**
No. 93—6½ in. Long, 1 in. Cutter, Nickel Plated, Weight Each 1¾ Lbs. **2.60**

Adapted for fine cabinet or other work where extreme accuracy is required The sides and bottom being square with each other, the plane will be perfectly flat on either side and can be worked with either right or left hand. With the adjustable throat the width of the throat opening or mouth can be widened or narrowed as coarse or fine work may require. **The "Hand-y" feature on the side forms a convenient grip for the hand.**

No 90 Plane is of the Bull Nose pattern so that it can be used close up into corners or other difficult places

One in a Box.

STANLEY'S CABINET MAKERS' EDGE

No 97

Each

No. 97—10 in. Long. 2¼ in. Cutter, Rosewood Knob, Endwise Screw Adjustment, Weight Each. 3¾ Lbs. **$2 20**

For Piano Makers and all Cabinet Workers. Has a cutter resting on a solid bed practically its entire length. The cutting edge being located at the extreme end of the plane gives the tool the form of a chisel No other plane can be worked in such a small space or so close up into corners.

One in a Box.

STANLEY'S CARRIAGE MAKERS' RABBET

Each

No. 101½ 9 in Long 2⅛ in Cutter, Rosewood Handle and Knob Weight Each 5 Lbs . **$2 50**

Especially designed for heavy work and framing and will be found to be an excellent tool for a wide variety of work The Cutter is of the Double Cutter type, and is adjustable endwise and laterally.

One in a Box.

STANLEY'S BUTCHERS' BLOCK

Each

No. 64—12½ in. Long, 2 in. Cutter, Complete with Extra Plane Iron Weight Each 4 Lbs . . **$2 40**

Designed especially for trueing up or resurfacing butcher blocks. The extra plane iron will enable the user to finish smooth the final surface of a block, also for planing smooth and keeping in condition the meat benches and tables ordinarily found in a butcher's establishment. With this plane blocks having the most uneven surface can be leveled up with more satisfaction than can be obtained with the use of any other tool.

One in a Box.

STANLEY'S SCRUB

No 40

Each

No. 40—9½ in. Long, 1¼ in. Cutter, Japanned Stock, Beechwood Handle and Knob, Weight Each 2 Lbs. **$1 10**

With these Planes the user can quickly plane down to a rough dimension any board that is too wide to conveniently rip with a hand saw. This is made possible by reason of the peculiar shape of the extra heavy cutter the cutting edge of which is rounded instead of square.

One in a Box.

ADJUSTABLE IRON PLANES

STANLEY'S ADJUSTABLE CIRCULAR

Each

No. 113—10 in. Long, 1⅝ in Cutter, Flexible Steel Face, Japanned Stock, with Graduated Scale for Setting the Face, Weight Each 3½ Lbs $3 00

A very superior Tool as by means of the graduated scale on the gears, the flexible face can be accurately set to work on an arch of the same circle, both concave and convex, by turning the Knob on the front of the Plane The Cutter is adjustable endwise and laterally

One in a Box

STANLEY'S FLOOR

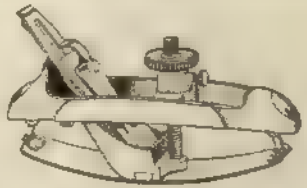
Each

No. 11½ -7 in. Long, 2⅜ in. Cutter, Japanned Iron Stock, Double Hardwood Handle, Cutter Adjustable Endwise, Weight Each 4 Lbs..... $3.15

This Plane is fitted with an adjustable throat, permitting a wide or narrow mouth, according as coarse or fine work requires. It is designed for working from a kneeling position, the double handle making it an easy tool to work under such conditions.

One in a Box.

VICTOR ADJUSTABLE CIRCULAR



Each

No. 20—10 in. Long, 1⅝ in. Cutter, Flexible Steel Face, Nickel Plated Stock, Weight Each 4 Lbs. $4.10

Designed with the object of eliminating any lost motion due to wear There are less parts subject to lost motion in this Plane than in any other Circular Plane made. The end of the Flexible Steel Bottom being fixed, and the force applied at the center, great accuracy of adjustment is possible and the Face is most firmly held in position. The Cutters are adjustable endwise and laterally.

One in a Box.

STANLEY'S HANDLED FLOOR

Each

No. 74—10½ in. Long, 2⅜ in. Cutter, Japanned Iron Stock, 45 in. Hardwood Handle with Double Grips, Weight Each 21½ Lbs..... $4.95

Designed for planing floors, bowling alleys, skating rinks, decks of vessels, etc. The handle being long, permits the plane to be worked from a standing position.

One in a Box.

STANLEY'S SINGLE HANDLE VENEER SCRAPER

Each

No. 112—9 in. Long, 3 in. Cutter, Japanned Iron Stock, Rosewood Handle and Knob, Weight Each 4 Lbs. $2 10

No. 112C—Extra 3 in. Blade for No 112 Plane..... 20

This Plane has the same form as the regular Bailey Plane and is preferred by some users to the double handle Scraper Plane. The blade is adjustable endwise and for angle, and can be firmly locked in position desired.

One in a Box

STANLEY'S DOUBLE HANDLE VENEER SCRAPER

Each

No. 12—9½ in Long, 3 in Cutter Japanned Rosewood Handle with Double Grip, Weight 5¾ Lbs. $2.40

No. 12¼ -6¼ in Long, 2 in Cutter, Otherwise Same as No 12 Weight 2½ Lbs 2 00

No. 12C Extra 3 in Blade for No. 12 Plane . 20

No. 12¼C- Extra 2 in Blade for No 12¼ Plane . .18

The handles are of rosewood with a double grip, and, being placed across the center of the tool, give it a good balance. The blade is adjustable endwise and for angle, and can be firmly locked in position desired.

One in a Box

Each

No. 12½ 9½ in Long, 3 in Cutter, Japanned, Rosewood Handle with Double Grip, Rosewood Face $3.20

No. 12½C Extra 3 in Blade for No. 12½ Plane. 20

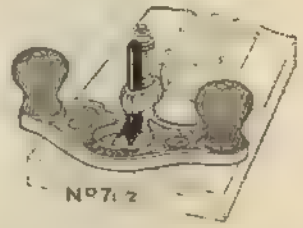
Same as No 12 Scraper Plane except that it has an extra rosewood bottom This bottom is especially adapted for use on fine work and when worn can be readily removed and a new one substituted

Weight Each 4 Pounds.

One in a Box.

ADJUSTABLE IRON PLANES

STANLEY'S ROUTER



Each

No. 71—7 ½ in. Long, Open Throat, Nickel Plated, ¼ and ½ in. Cutters, Complete with Two Attachments, One for Regulating the Thickness of the Chip, the Other for Closing the Throat for Use on Narrow Surfaces, Weight Each 2 ⅝ Lbs. $2.05

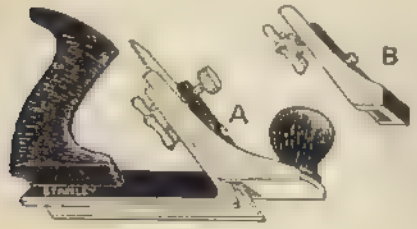
Each

No. 71 ½—7 ½ in. Long, Closed Throat, Nickel Plated, ¼ and ½ in. Cutters, the Ordinary Form of Router Plane, Weight Each 2 ⅛ Lbs. . $1.65

These Planes are for surfacing the bottom of grooves or other depressions parallel with the general surface of the work. The bottoms of both styles are dug out so that an extra wooden bottom of any size desired can be screwed on, enabling the user to router on large openings. The cutters have screw adjustment, and can be held as shown in above illustrations, or on the back of the cutter post, for bull-nose work.

One in a Box.

STANLEY'S ADJUSTABLE CHAMFER



Each

No. 72 9 in. Long, 1 ⅝ in. Cutter, Japanned Iron Stock, Rosewood Handle and Knob, Weight Each 3 ⅝ Lbs. $2.20

This Plane will do perfect chamfer or stop-chamfer work. It has a ninety degree V bottom which acts as a mitre guide. To this is attached an adjustable front "A" having a flat bottom which carries the cutter, this front can be set for different sizes of chamfer. Front "A" can be readily detached and a bull-nose front "B" (furnished with the plane) substituted, permitting the plane to be worked up close into corners.

One in a Box.

STANLEY'S IMPROVED RABBET

Japanned Iron Stock, without Spur, with Detachable Depth Gauge.

Each

No. 180—8 in. Long, 1 ½ in. Cutter, Weight Each 2 ½ Lbs. $1.10
No. 181—8 in. Long, 1 ¼ in. Cutter, Weight Each 2 ¼ Lbs. 1.10
No. 182—8 in. Long, 1 in. Cutter, Weight Each 2 Lbs. 1.10

These Planes will lie perfectly flat on either side and can be used equally as well with right or left hand while planing into corners or up against perpendicular surfaces.

One in a Box.

STANLEY'S DUPLEX, FILLETSTER AND RABBET

Each

No. 78—8 ½ in. Long, 1 ½ in. Cutter, Japanned Iron Stock, with Spur and Detachable Depth Gauge. Weight Each 3 Lbs. $1.65

This Plane has two seats for the cutter, one for regular work and the other where a bull-nose is required. It has a spur and a removable depth gauge. The adjustable fence can be used on either side and slides under the bottom, regulating the width of the cut. To work same as a rabbet plane, remove fence and arms.

One in a Box.

STANLEY'S IMPROVED DADO

Japanned Iron Stock, 8 in. long, with Skew Cutters, Adjustable Depth Gauge and Two Adjustable Spurs

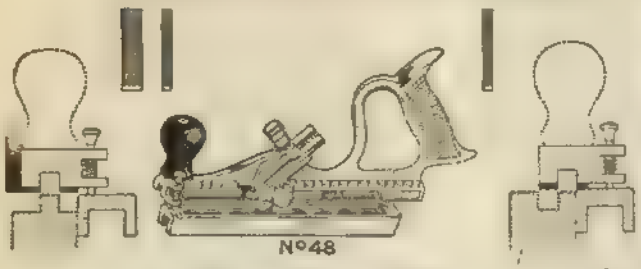
Nos.	39¾	39⅞	39—1
Cutter, Inches	¾	⅞	1
Weight Each, Lbs.	2	2 ¼	2 ¼
Each	$1.65	1.65	1.65

The great advantage of these Dado Planes over those of wood is that they will keep true under all conditions even in the narrowest widths. They have skew cutters, an adjustable depth gauge and two adjustable spurs, one on each side of the plane. This adjustable feature permits of the spurs being adjusted to take up wear, as well as for the depth of the cut.

One in a Box

ADJUSTABLE IRON PLANES

STANLEY'S SWINGING FENCE MATCHING



Nickel Plated Iron Handle and Body, Rosewood Knob.

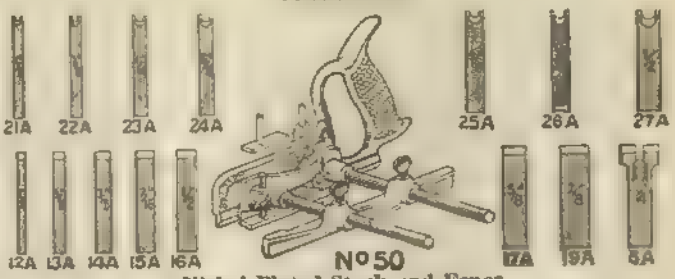
Each

No. 48—Cuts $\frac{1}{16}$ in. Grooves on $\frac{3}{4}$ to 1$\frac{1}{4}$ in. Boards, Centers on $\frac{7}{8}$ in., Weight Each 3$\frac{3}{4}$ Lbs.....$2.75

This form has two plow cutters of the same width, and one extra wide cutter. The fence in one setting exposes two cutters for cutting the tongue, and, when reversed, leaves only one exposed for cutting the groove. On thicker boards than the plane works on center, the extra wide cutter is substituted for groove cutter when cutting tongue

One in a Box.

STANLEY'S COMBINED PLOW, BEADING AND MATCHING



Nickel Plated Stock and Fence.

Each

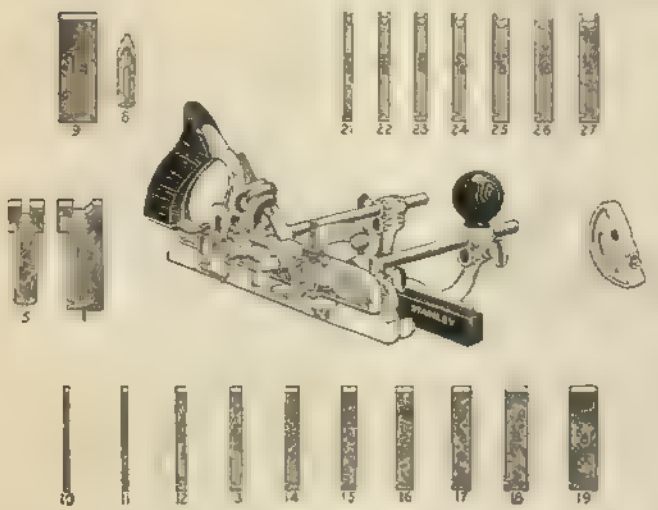
No. 50—9$\frac{1}{4}$ in. Long, Complete with 15 Cutters, Weight Each 3$\frac{1}{2}$ Lbs.....$5.00

The Cutters comprise 7 plow and dado bits one each $\frac{1}{4}$, $\frac{7}{16}$, $\frac{3}{8}$, $\frac{5}{16}$, $\frac{1}{8}$, $\frac{3}{16}$ and $\frac{1}{16}$ in.; 7 beading tools, one each $\frac{1}{8}$, $\frac{7}{32}$, $\frac{1}{4}$, $\frac{5}{16}$, $\frac{3}{8}$, $\frac{7}{16}$ and $\frac{1}{2}$ in.; and a $\frac{1}{4}$ in. tonguing tool.

A very handy tool for light work. It consists of a main stock, carrying a spur and a depth gauge, forming a support for one side of the cutter; a sliding section, carrying a spur and forming a support for the other side of the cutter and a fence with a 5 in. adjustment.

One in a Box.

STANLEY'S "FORTY-FIVE"



Seven Tools in One in Compact and Practical Form.

Each

No. 45—10 in. Long, Nickel Plated Stock and Fence, Rosewood Handle and Knob, Complete with 21 Cutters as Described Below.....$7.00

Weight Each 9$\frac{1}{2}$ Pounds.

One in a Neat Steel Box, Complete with Cutters.

This Plane embraces in a compact and practical form (1) beading and center beading plane; (2) plow; (3) dado; (4) rabbet and filletster; (5) match plane; (6) sash plane; (7) slitting plane

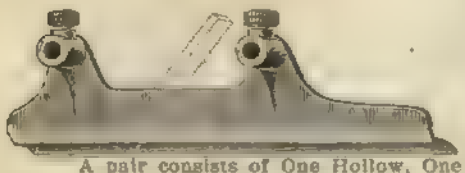
Each Plane is accompanied by seven beading tools ($\frac{1}{16}$, $\frac{7}{32}$, $\frac{1}{4}$, $\frac{5}{16}$, $\frac{3}{8}$, $\frac{7}{16}$ and $\frac{1}{2}$ in.), ten plow and dado bits ($\frac{1}{16}$, $\frac{1}{8}$, $\frac{3}{16}$, $\frac{1}{4}$, $\frac{5}{16}$, $\frac{3}{8}$, $\frac{7}{16}$, $\frac{1}{2}$, $\frac{5}{8}$, $\frac{3}{4}$ and $\frac{7}{8}$ in.), a filletster slitting, match and sash tools; twenty-one tools in all

The Plane is fitted with spurs for use across the grain, etc., and can be used either right or left hand.

CAM REST

For beading at a distance from the edge of a board, attach Cam Rest (see cut at right of plane) to the front arm between the sliding section and fence to prevent the fence sagging In certain work attach same to the rear arm to prevent the plane from rocking.

STANLEY'S HOLLOWS AND ROUNDS
For Use on No. 45 Plane Only.



Japanned Cast Iron, Polished Faces, Steel Set Screws, Complete with Cutters.

Nos.	6	8	10	12
Width of Cutters, Inches	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	1
Work Circle, Inches	$\frac{3}{4}$	1	1$\frac{1}{4}$	1$\frac{1}{2}$
Per Pair	$1 40	$1 40	$1 50	$1 50

A pair consists of One Hollow, One Round and Two Cutters. A Hollow and its Cutters will form a ROUND on the moulding being worked. A Round and its Cutter will form a HOLLOW.

STANLEY'S NOSING TOOL

Each

No. 5 Japanned Cast Iron Body with Polished Face Steel Set Screws, 1$\frac{1}{4}$ in. Cutter Works 1$\frac{1}{4}$ in Circle for Use on No. 45 Plane Only.....$1.00

A Nosing Tool and its Cutter will form what might be called an exaggerated Round. Used for shaping the edges of stair treads.

RAZORS

Hand Forged from the Best English Crucible Cast Steel, Finest Hollow Ground, Best Finish, Highest Quality. Fully Warranted

Made Exclusively for Shapleigh Hardware Co.

No. 3173— ★WADE AND BUTCHER SPECIAL

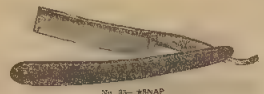
Square Point Only

Black Rubber Oval Handle, Full Concaved Ground Blade; Glazed.

Plain File Tang.

Width, Inches ..... ⅝

Per Dozen $30 00



No. 32— ★SNAP

Black Rubber Oval Handle; Concaved Ground Blade, Glazed, Plain File Tang.

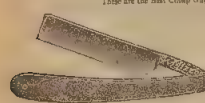
	Square Point	
Width, Inches	½	⅝
Per Dozen	$25.00	$25 00
	Round Point	
Width, Inches		⅝
Per Dozen		$15 00

Mizzoo

★MIZZOO CUTLERY CO.

Fine Quality English Crucible Cast Steel Blades, Best German Ground; Each Razor Honed and Sharpened Ready for Use. Guaranteed

These are the Best Cheap Guaranteed Razors on the Market, they Will Give Excellent Service

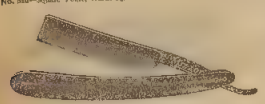


Fancy Black Rubber Oval Handle; Concaved Ground Blade, Glazed, Oval File Tang. Per Dozen

No. M6—Square Point, Width ⅝ inch $25.00

Fancy Ivory Celluloid Oval Handle; Concaved Ground Blade Glazed, Oval File Tang. Per Dozen $35 00

No. M4—Square Point, Width ⅝ inch .....



Plain Black Rubber Oval Handle; Concaved Ground Blade, Glazed, Oval File Tang. Per Dozen

No. M5—Square Point, Width ⅝ inch $13 00

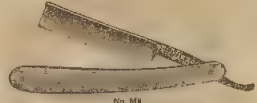
Plain Black Rubber Oval Handle; Concaved Ground Blade, Glazed and Etched, Flat File Tang. Per Dozen

No. M1—Square Point, Width ⅝ inch $11 00

No. M5

Plain Black Rubber Oval Handle; Concaved Ground Blade, Glazed, Flat File Tang.

	Square Point	
Width, Inches	⅝	¾
Per Dozen	$9 00	$9 00
	Round Point	
Width, Inches	⅝	
Per Dozen	$8 00	



No. M9

White Bone Oval Handle; Concaved Ground Blade, Glazed; Flat File Tang.

	Square Point	
Width, Inches	⅝	¾
Per Dozen	$8 00	$8 00
	Round Point	
Width, Inches	⅝	
Per Dozen	$7 00	

Half Dozen in a Box; Weight per Dozen about 2 lbs.

"Diamond Edge is a Quality Pledge"

RAZORS

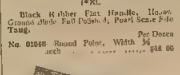
GEO. WOSTENHOLM & SON. I★XL AND PIPE

Best Quality English Crucible Razor Steel, Highly Tempered; Carefully Ground and Tested, Honed and Sharpened Ready for Use

I★XL

Black Rubber Flat Handle, Hollow Ground Blade, Full Polished and Etched, Plain Smooth Tang. Per Dozen

No. 01648—Round Point, Width ⅝ inch $24 00



★XL

Black Rubber Oval Handle Three Quarter Concaved Blade Full Polished and Gold Etched, Plain Smooth Tang. Per Dozen

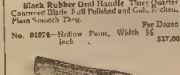
No. 01874—Hollow Point, Width ⅝ inch .....

PIPE

Black Rubber Oval Handle, Concaved Ground Blade, Glazed, Plain Smooth Tang. Per Dozen

No. 02593—Square Point, Width ⅝ inch $17 00

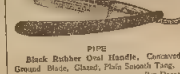
No. 02594—Square Point, Width ¾ inch $7.00



PIPE

Black Rubber Flat Handle; Medium Hollow Ground Blade, Glazed and Etched; Plain Smooth Tang. Per Dozen

No. 03515—Square Point, Width ⅝ inch $16 00



I★XL

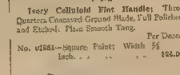
Black Rubber Oval Handle; Medium Hollow Ground Blade, Glazed and Gold Etched; Plain Smooth Tang. Per Dozen

No. 0442—Hollow Point, Width ⅝ inch $16 00

I★XL

Ivory Celluloid Flat Handle; Three Quarters Concaved Ground Blade, Full Polished and Etched, Plain Smooth Tang. Per Dozen

No. 01661—Square Point; Width ⅝ Inch $26.00



★XL

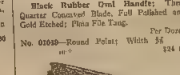
Black Rubber Oval Handle; Three Quarter Concaved Blade, Full Polished and Gold Etched; Plain File Tang. Per Dozen

No. 02050—Round Point; Width ⅝ inch $24 00

I★XL

Black Rubber Oval Handle; Full Concaved Ground Blade, Glazed, Plain Smooth Tang. Per Dozen

No. 02711—Hollow Point; Width ⅝ inch $17 00



I★XL

Black Rubber Oval Handle; Medium Hollow Ground Blade, Glazed and Gold Etched; Plain Smooth Tang. Per Dozen

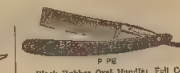
No. 02440C—Hollow Point, Width ⅝ inch $16 00

I★XL

Genuine Ivory Flat Handle; Medium Hollow Ground Blade, Full Polished and Etched, Scroll File Tang. Per Dozen

No. 01938—Round Point, Width ⅝ Inch $46 00

Half Dozen in a Box; Weight per Dozen about 2 lbs.



P PE

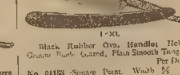
Black Rubber Oval Handle; Full Concaved Ground Blade, Glazed, Plain Smooth Tang. Per Dozen

No. 01491—Square Point Width ⅝ inch $24 00

I★XL

Black Rubber Oval Handles, Hollow Ground Blade, Guard, Plain Smooth Tang Per Dozen

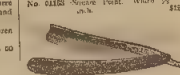
No. 01151—Square Point, Width ⅝ inch $15 00



I★XL

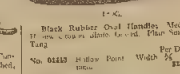
Black Rubber Oval Handles, Medium Hollow Ground Blade, Guard, Plain Smooth Tang Per Dozen

No. 01145—Hollow Point Width ⅝ inch $15 00



Plain Imitation Tortoise Shell Oval Handle, Wedge Ground, Side Rails, Inlaid and Etched, Plain Smooth Tang. Per Dozen

No. 0221—Square Point; Width ⅝ Inch..$9 00



JOSEPH ROGERS & SONS SHEFFIELD, ENGLAND

Best Quality English Crucible Razor Steel, Highly Tempered, Carefully Ground and Tested, Honed and Sharpened Ready for Use

Black Rubber Oval Handle, Medium Concaved Ground Blade Glazed, Plain Smooth Tang; Extra Heavy. Per Dozen

No. R2160S—Square Point, Width ⅝ inch $13 00

RAZORS

*DIAMOND EDGE

The *Diamond Edge* Razors are Hand Forged from the Best English Crucible Cast Steel, Finest Hardware Ground, Best Finish and Highest Quality Throughout. This Insures a Razor Unsurpassed for Both Barbers and Private Use. Fully Guaranteed.

No. 4
Black Rubber Oval Handle, Full Concaved Ground Blade, Glazed, Plain File Tang.

Square Point				
Width, Inches	⅝	¾	⅞	1
Per Dozen	$24 00	$1 92	$1 92	$4 00

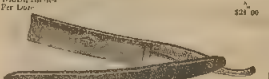
Round Point	
Width, Inches	⅞
Per Dozen	$3 84

Hollow Point	
Width, Inches	⅞
Per Dozen	$4 00

No. 4W
White Bone Flat Handle, Full Concaved Ground Blade, Glazed, Plain File Tang.

Square Point	
Width, Inches	⅞
Per Dozen	$30 00

Round Point	
Width, Inches	⅞
Per Dozen	$30 00



No. 9 *DIAMOND EDGE
Black Rubber Oval Handle, Extra Full Hollow Ground Blade, Glazed and Etched, Plain File Tang.

Square Point				
Width, Inches	⅝	¾	⅞	1
Per Dozen	$30 00	$0 00	$0 00	$0 00

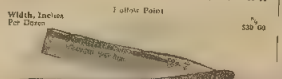
Round Point		
Width, Inches	⅞	1
Per Dozen	$30 00	$0 00

Fallcut Point	
Width, Inches	⅞
Per Dozen	$30 00

No. 777 *MAGNET C
The Highly Magnetized Blade, Famous for Its Curative Qualities, Black Rubber Oval Handle with Patent Grips, Full Hollow Ground Blade, Glazed, Plain File Tang.

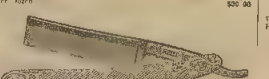
Square Point			
Width, Inches	⅞	1	1¼
Per Dozen	$36 00	$0 00	$0 00

Round Point	
Width, Inches	⅞
Per Dozen	$36 00



No. 7 *DIAMOND KING
Black Rubber Flat Handle, Full Concaved Ground Blade, Crocus Polished and Etched Fancy Back, Small File Point Tang. Per Dozen

No. 7 Square Point, Width ⅞ inch	$42 00



*ART HOUSE
Ivory Celluloid Fancy Oval Handle, Full Concave Ground Blade Crocus Polished, Plain File Tang.

No. 90—Square Point, Width ⅞ inch	Per Dozen $30 00

ERN JUNIOR RAZOR

ERN JUNIOR
Made of the Best English Cast Steel, Full Hollow Ground, Honed and Sharpened ready for use. Handle are made of Fine Piece of German Silver, and put together so they will not Corrode or Rust in any way. Blade shown on this cut can be Blade or No Razor Edge and Brush or Razor of the Style desired and these goods are Balanced, Furnished in Gold or Silver Case Metal.

No. EJ1—Gun Metal Finish, Fine File Tang, Square Point, Width ⅞	Per Dozen
No. EJ2—Silver Finish, Fine File Tang, Square Point, Width ⅞	$36.00
No. EJC—Gold Finish, Flat File Tang, Square Point, Width ⅞ inches	42.00
	48.00

Half Dozen in a Box, Weight per Dozen about 2 lbs

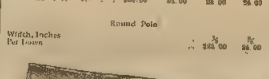
RAZORS

Hand Forged from the Best English Crucible Cast Steel, Finest Hollow Ground, Best Finish, Highest Quality, Fully Warranted

No 200- *SHAPLEIGH BARBER
Black Rubber Flat Handle, Full Concaved Ground Blade, Glazed and Polished, Fine Smooth Tang.

Square Point			
Width, Inches	⅞	1	1¼
Per Dozen	$36.00	$4.00	$4.00

Round Point	
Width, Inches	⅞
Per Dozen	$36.00

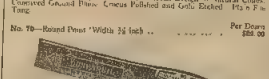


No. 21 *BLACK PRINCE
Fancy Black Rubber Flat Handle, Full Concaved Ground Blade, Glazed, Oval Smooth Tang.

Square Point	
Width, Inches	⅞
Per Dozen	$36 00

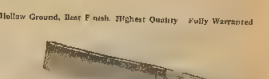
*REALTY
Ivory Celluloid Oval Handle, Peacock Design in Natural Colors, Concaved Ground Blade, Crocus Polished and Gold Etched, Plain File Tang.

No. 70—Round Point, Width ⅞ inch	Per Dozen $36.00



*NONPAREIL
Ivory Celluloid Oval Handle, Crane Design in Natural Colors, Concaved Ground Blade, Crocus Polished and Gold Etched, Plain File Tang.

No. 90—Square Point, Width ⅞ inch	Per Dozen $24 00



*GYPSY
Black and Red Marbled Rubber Oval Handle, Full Concaved Ground Blade, Crocus Polished, Plain File Tang.

No. 90—Square Point, Width ⅝ inches	Per Dozen $36.00

No. 70— *COUNTRY CLUB
Black Rubber Flat Handle, Full Concaved Ground Blade, Glazed and Gold Etched, Plain File Tang.

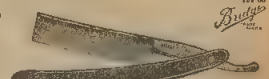
Square Point		
Width, Inches	⅞	1
Per Dozen	$4 00	$4 00

Round Point	
Width, Inches	⅞
Per Dozen	$24 00

Hollow Point	
Width, Inches	⅞
Per Dozen	$24 00

*ART
Ivory Celluloid Oval Handle, Art Design in Exquisite Colors, Concaved Ground Blade, Crocus Polished and Gold Etched, Plain File Tang.

No. 80—Square Point, Width ⅞ inch	Per Dozen $24.00



No. 90— *BRIDGE CUTLERY CO
Black Rubber Flat Handle, Concaved Ground Blade, Crocus Polished and Gold Etched, Plain File Tang.

Square Point		
Width, Inches	⅞	1
Per Dozen	$18 00	$3 00

Round Point	
Width, Inches	⅞
Per Dozen	$22 00

Half Dozen in a Box, Weight per Dozen about 2 lbs.

"DIAMOND EDGE IS A QUALITY PLEDGE"

RAZORS

*DIAMOND EDGE

The *Diamond Edge* Razors are Hand Forged from the Best English Crucible Cast Steel, Finest Hamburg Ground, Best Finish and Highest Quality Throughout. This Insures a Razor Unsurpassed for Both Barbers and Private Use. Fully Guaranteed

No. 14— *Diamond Edge

Finest Quality Hand Abalone Pearl Handles Full Concave Ground Blade, Half Croces Polished with the Words *Diamond Edge* Etched in Gold on a Gold Panel, Plain File Tang.

Width, Inches	⅝
Blade, Point	Square
Weight per Dozen, Lbs.	2
Per Dozen	$72 00

No. 16— *Diamond Edge

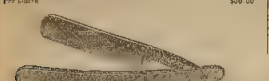
Highest Quality Mottled Red Rubber Handle, Full Hollow Ground Blade, Highly Plated with the Words *Diamond Edge* Gold Etched on Blade, Plain File Tang.

Width, Inches	⅝
Blade, Point	Square
Weight per Dozen, Lbs.	2
Per Dozen	$36 00

No. 18 *Diamond Edge

Highest Quality Jet Black Rubber Handle, Extra Fine Concaved Polished Blade with Rounded Gun Back, the Words *Diamond Edge* Etched on Gilt Band in Blade, Plain File Tang.

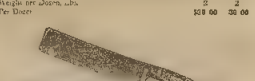
Width, Inches	⅝	⅝
Blade, Point	Square	Round
Weight per Dozen, Lbs.	2	2
Per Dozen	$28 00	30 00



No. 24 *Diamond Edge

Extra Quality Pearl Gray Pyralin Handle Full Concaved Half Croces Polished Blade with Rounded Back Concaved Ground *Diamond Edge* Trade Mark Stenciled on Blade, Plain File Tang.

Width Blade, Inches	⅝
Blade, Point	Round
Weight per Dozen, Lbs.	2
Per Dozen	$24 00



No. 22— *Diamond Edge

Tortoise Shell Oval Celluloid Handle Concave Ground Half Croces Polished Blade *Diamond Edge* Trade Mark Stenciled on Blade, Plain File Tang.

Width, Inches	⅝
Blade, Point	Square
Weight per Dozen, Lbs.	2
Per Dozen	$24.00

No. 25— *Diamond Edge

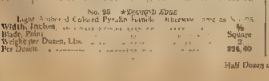
Polish Red Colored Pyralin Handle Concaved Half Croces Polished Blade *Diamond Edge* Trade Mark Stenciled on Blade Plain File Tang.

Width, Inches	⅝
Blade, Point	Square
Weight per Dozen, Lbs.	2
Per Dozen	$24 00

No. 28—SHAPLEIGH HARDWARE CO.

Black Rubber Flat Handles Concaved Ground Blade, Glazed, Plain File Tang.

Width, Inches		⅝
Blade, Point		Square
Weight per Dozen, Lbs.		2
Per Dozen		$16.80



No. 26 *Diamond Edge

Light Colored Pyralin Handle, Otherwise same as No. 25.

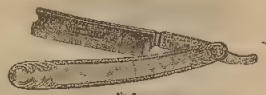
Width, Inches	⅝
Blade, Point	Square
Weight per Dozen, Lbs.	2
Per Dozen	$24.00

Half Dozen in a Box

RAZORS

*DIAMOND EDGE

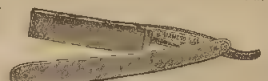
The *Diamond Edge* Razors are Hand Forged from the Best English Crucible Cast Steel, Finest Hamburg Ground, Best Finish and Highest Quality Throughout. This Insures a Razor Unsurpassed for Both Barbers and Private Use. Fully Guaranteed



No. 8

Fancy Beaded Ivory Celluloid Oval Handles Full Concaved Ground Blade, Croces Polished and Gold Etched Genuine Ivory Scale Tang.

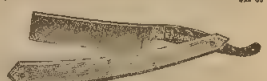
Width, Inches	⅝
Blade, Point	Hollow
Per Dozen	$52 00



No. 2

Genuine Ivory Flat Handle Full Concaved Ground Blade, Glazed, Plain File Tang.

Width, Inches	⅝	⅝
Blade, Point	Square	Round
Per Dozen	$18 00	20 00



No. 6

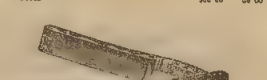
Ivory Celluloid Flat Handle, Full Concaved Ground Blade Croces Polished Black Rubber Scale Tang.

Width Inches	⅝	⅝
Blade, Point	Square	Round
Per Dozen	$30 00	32 00

No. 12

Tortoise Shell Flat Celluloid Handle, Full Concaved Ground Blade, Croces Polished and Gold Etched Fine Quality Heavy Pearl Scale Tang.

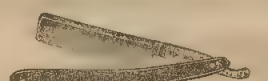
Width, Inches	⅝
Blade, Point	Square
Per Dozen	$48.00



No. 23

Black Rubber Oval Handle, Full Concaved Ground Blade Croces Polished, Fine Quality Heavy Pearl Scale Tang with Gold Pin.

Width, Inches	⅝
Blade Point	Square
Per Dozen	$48 00



No. 5

Black Rubber Flat Handle, Full Concaved Ground Blade Croces Polished, Fine Quality Heavy Pearl Scale Tang.

Width, Inches	⅝	⅝
Blade, Point	Square	Round
Per Dozen	$28 00	30 00

No. 3

Black Rubber Oval Embossed Handle, Full Concaved Ground Blade Croces Polished Heavy Black Rubber Scale Tang.

Width, Inches	⅝	⅝
Blade, Point	Square	Round
Per Dozen	$36 00	38 00

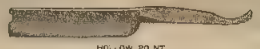
Half Dozen in a Box; Weight per Dozen about 2 lbs.

"DIAMOND EDGE IS A QUALITY PLEDGE"

*DIAMOND EDGE RAZORS

SQUARE POINT

ROUND POINT



HOLLOW POINT

The excellency of these Razors consists in their being made of the very best quality English Steel.

Unequalled for Private as well as for Barbers use and fully warranted.

HOW TO USE A RAZOR

Lay the Razor as nearly flat as possible on the face and cut in a sloping direction.

Those who are troubled with a strong beard or tender skin, will find it highly beneficial to wash the face with warm water and soap before shaving, as time spent in softening the beard adds materially to the comfort of the operation.

SHAPLEIGH HARDWARE COMPANY
St. Louis. U. S. A.

The Above is a Fac-Simile of the Wrapper Put Around Each DIAMOND EDGE Razor

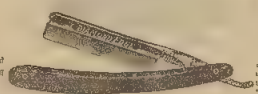
RAZORS

*DIAMOND EDGE

Diamond Edge Razors are Hand Forged from the Best English Crucible Cast Steel, Finest Hamburg Ground, Best Finish and Highest Quality Throughout. This Insures a Razor Unsurpassed for both Barbers and Private use. Fully Guaranteed.

Cut shows Non Rusting Metal Reinforcing Washers on each side of Tang next to Handle. Holds the Blade tong so that in closing the edges of Blade will never "Cross Over" and strike side of Handle

End View showing Concaved Shape Cutting Edge and Extra Stiff Reinforced Back



RAZOR

NO. DE17300

This consists of the best points of the wedge shape of the old English razor with its stiff rigid edge and the light weight and attractiveness of the more modern concaved razor

It is designed to meet the requirements of all who have difficulty in shaving with comfort owing to tender skin and a very hard beard

This Razor is giving universal satisfaction to the user who has just tough beard and tender skin It is made with a stiff ridge, much desired in the old English razor, yet, has the light weight of the new concave razor. The edge is so constructed that it will not quiver or razzle under the most trying conditions, and has stood the test of all the most exacting.

Warrant

This razor is made with that exactness which can only be attained by workmen thoroughly trained in their Art. Extreme care is given to the forging, tempering and grinding to this razor, which is followed by the most rigid inspection We warrant them to give perfect satisfaction if given reasonable care There is absolutely no excuse for a soiled or rusty razor

A dealer should not be asked to exchange such a razor.

Blade ⅝ Inch Only, Carbon Polished Back and Grooves, the Concaved Half of Blade Glazed with etched D. E. Trade Mark; Diamond Edge etched in Gold in Grooves Plain Smooth Tang Black Rubber Handle.

SPECIAL OFFER

In order to introduce the New Razor we are offering with every Dozen Razors, One Dozen of our Norleigh Diamond Shaving Stick Soap. The Soap is given absolutely free with every Dozen Razors purchased. The Soap is receiving hearty unqualified recognition as the Best Article on the Market for the purpose. Further Description below.

*** NORLEIGH DIAMOND**
SHAVING STICK—(DEMULCENT)

NO. ND300

Compounded by Expert Soap and Perfume Makers, of Purest Materials, Chemically Correct and Under Most Sanitary Conditions. It Produces a Heavy, Thick, Close and Abundant Lather, which is Lasting, Retains the Moisture and Stays Thick and Creamy on the Face. Softens the Beard and Skin, and will Positively Not Produce a Burning Sensation on the Face Highly Perfumed.

Each Stick Put up in a Finely Embossed Nickel Plated Metal Box, 3¼x1¼ inches, with Close Fitting Telescope Cover; Each of these Metal Boxes, Packed in a Carton; Six Cartons in a Handsome Display Rack for the Show Case.

No. DE17309—One Dozen Razors and One Dozen Soap as described above . . . $30.00

Packed Complete in a Box; Weight 6 lbs.

"DIAMOND EDGE IS A QUALITY PLEDGE"

Landers, Frary and Clark's Fine "Universal" Alcohol Gas Stove and Chafing Dishes

Insure the rapid and thorough cooking of a substantial meal. Are safe, efficient and easily operated as an ordinary gas range, artistic in design, superb in finish and solidly built for service

Equipped with "Universal" Hot Blow-Flame Alcohol Burner

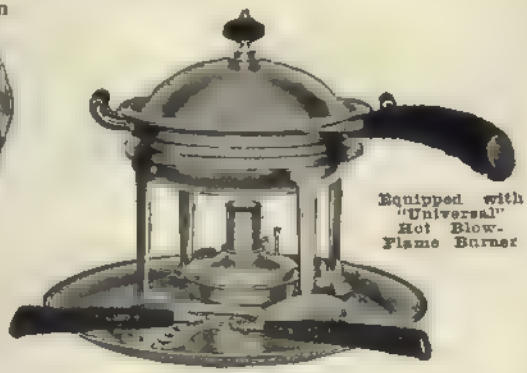
"Universal" Chafing Dish

No. 970C	Copper	each	$28.55
No. 970N	Nickel plated	each	28.55
No. 970S	Silver plated	each	38.00

Chafing Dish Fork and Spoon

No. 1

Beautifully marked stag. Fork tines and spoons heavily silver plated on solid nickel silver. Packed a pair in fancy lined box.
Per pair, $11.20
Each, $5.60



Equipped with "Universal" Hot Blow-Flame Burner

Four Piece Sets

Consisting of chafing dish, fork and spoon and 14 inch round tray. Handles and knobs of beautiful marked stag, sterling silver caps, spoon and forks always silver plated with stag handles

No. 0903-4C	Copper	complete set	$50.95
No. 0903-4N	Nickel plated	complete set	51.95
No. 0903-4S	Silver plated	complete set	64.30
No. 0903C	Copper	dish only	32.80
No. 0903N	Nickel plated	dish only	32.80
No. 0903S	Silver plated	dish only	42.40

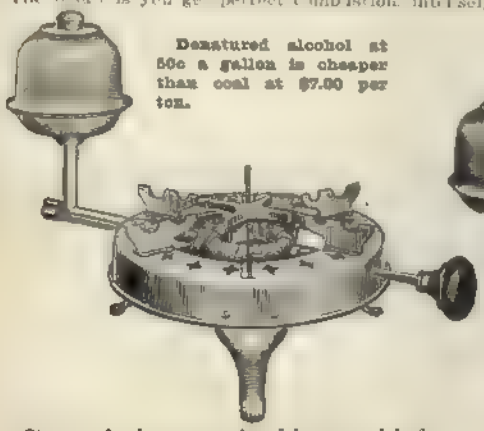
14 inch Round Trays, Solid Copper

No. 14C	Copper	each	$3.75
No. 14N	Nickel plated	each	3.75
No. 14S	Silver plated	each	7.20
No. 2	Chafing dish fork	each	7.20
No. 3	Chafing dish spoon	each	7.20

"Universal" Alcohol Gas Stove (gravity feed)

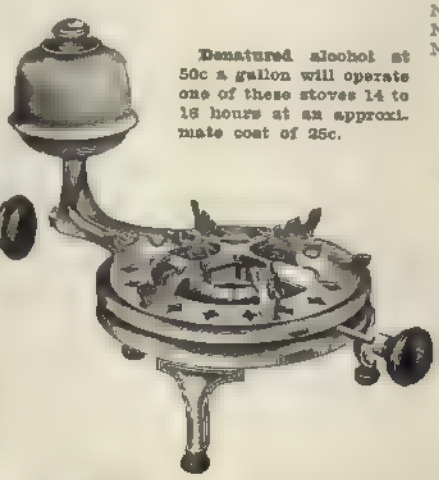
Converts denatured alcohol into a gas, mixes this gas with the oxygen in the air. The result is you get perfect combustion, intensely hot blue flame

Denatured alcohol at 50c a gallon is cheaper than coal at $7.00 per ton.



Stove only, burner made of brass and body made of steel, dull finish nickel plated throughout, diameter 8¾ inches, total height, 9⅝ inches, capacity of fount 1 pint.
No. 610 Each $8.00
No. 611 Same as above, highly polished. 9.10

Denatured alcohol at 50c a gallon will operate one of these stoves 14 to 16 hours at an approximate cost of 25c.



Stove only, made entirely of brass, heavily nickel plated and highly polished, diameter 8¾ inches, total height, 10⅛ inches, capacity of fount 1 pint.
No. 660 Each $12.70

Equipped with "Universal" Hot Blow-Flame Burner

No. 0812-4C	Copper	complete set	$42.35
No. 0812-4N	Nickel plated	complete set	43.35
No. 0812-4S	Silver plated	complete set	56.00
No. 0802C	Copper	dish only	26.90
No. 0802N	Nickel plated	dish only	26.90
No. 0802S	Silver plated	dish only	36.00

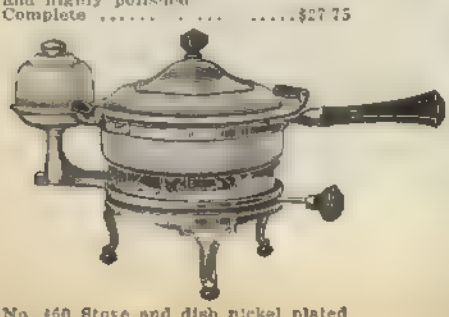
14 inch Round Trays, solid Copper

No. 14C	Copper	each	$3.75
No. 14N	Nickel plated	each	3.75
No. 14S	Silver plated	each	7.20
No. 2	Chafing dish fork	each	6.40
No. 3	Chafing dish spoon	each	6.40

No. 660 Stove and dish nickel plated and highly polished
Complete $27.75

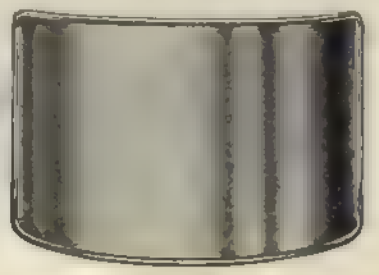
"Universal" Alcohol Gas Stove Chafing Dishes

Stoves same as No. 660 described above
Dishes made of solid copper, handles and knobs made of Ebonwood—natural finish
Inside of water and food pans and cover heavily tinned and silvered.



No. 660 Stove and dish nickel plated and highly polished.
Complete $28.55

No. 661 Stove and dish nickel plated and highly polished
Complete ..... $ 4.00



Wind Shield

Made of solid copper, highly polished outside satin finished inside

No. 1004	Copper	each	$3.90
No. 1004N	Nickel plated	each	3.90
No. 1004S	Silver plated	each	6.40

"Universal" Chafing Dishes

Legs, Base and Handle Sockets are of Cast Brass — Insides of Food and Water Pans are heavily coated with Pure Tin

Non-Heating Ebonwood Handles in Natural Finish.

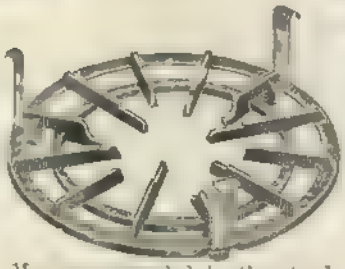
In every detail of Design and Construction the "Universal" embodies in Copper the distinction of the Finest Sterling.

MORE THAN THAT, IT HAS A STOVE THAT MAKES IT AS EASY TO COOK IN AS ON A GAS RANGE

Equipped with "Universal" Hot Blow-Flame Alcohol Stove

No. [illegible] Copper, [illegible]
No. 900N Nickel plated, each [illegible]
No. 900S Silver plated, each [illegible]

Chafing Dish Grate



May be [illegible] in the stand of [illegible] Chafing Dish after the food and hot water pans are removed [illegible] in connection with the "Universal" Chafing Dish Lamp the grate provides the most convenient apparatus [illegible] for broiling or broiling.

No. [illegible] each $1.10

Equipped with "Universal" Hot Blow-Flame Alcohol Stove

No. 400C Copper, [illegible]
No. 400N Nickel plated, [illegible]
No. 400S Silver plated, [illegible]

"UNIVERSAL" CHAFING DISH FORKS AND SPOONS

No. [illegible] Nickel plated [illegible] Spoon. Non heating ebonized wood [illegible]

[illegible] each $4.00

We carry in stock, however, numbers to match all patterns of Chafing Dishes and prices are.....each $4.00

Equipped with "Universal" Hot Blow-Flame Alcohol Stove

No. [illegible] Copper, [illegible]
No. 740N Nickel plated, [illegible]

Equipped with "Universal" Hot Blow-Flame Alcohol Stove

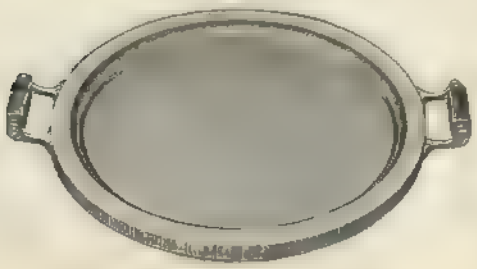
No. 800C Copper, ...each $19.75
No. 800N Nickel [illegible]
No. 800S Silver plated, [illegible]

Extra Heavy Gauge Solid Copper Trays

Finest Quality and Finest Finish.

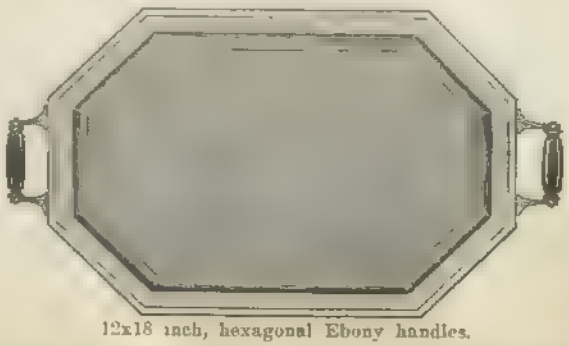
Furnished in copper, nickel plated and silver plated.

Satin finished back and center, polished border



14 inch round, square Ebony handles.

No. 900C Copper, ... each $9.60
No. 900N Nickel plated, ... each 9.60
No. 900S Silver plated, ... each 13.55



12x18 inch, hexagonal Ebony handles.

No. 4400C Copper, ... each $15.80
No. 4400N Nickel plated, ... each 15.80
No. 4400S Silver plated, ... each 21.35

Landers, Frary & Clark's Fine "Universal" Table Kettles, Samovars, Tea Ball Tea Pots and Alcohol Stoves

New, Handsome and Artistic designs, Ebonized handles and knobs. Legs, stand and handle brackets made of brass. Body of kettle made of solid copper. Each kettle is equipped with a patented "Universal" alcohol lamp which burns with a hot flame and is easily regulated.

Table Kettle.
Capacity 2½ pints.

No. 525 Nickel plated $12.50
No. 525 Copper 12.80
No. 525 Silver plated 16.00

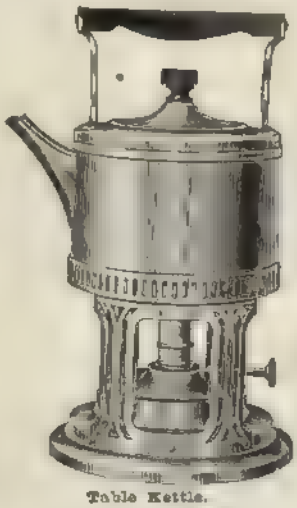


Table Kettle.
Capacity 2½ pints

No. 523 Nickel plated $14.80
No. 523 Copper 14.80
No. 523 Silver plated 18.00

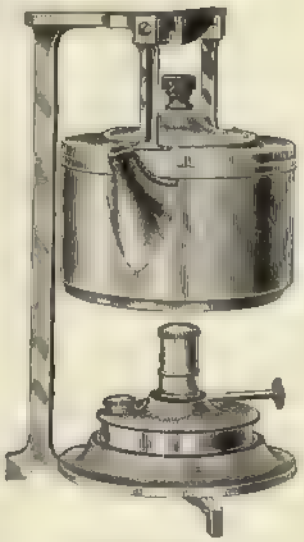


Table Kettle.
Capacity 2½ pints

No. 53[illegible] Nickel plated $15.80
No. 53[illegible] Copper 16.80
No. 53[illegible] Silver plated 20.40

"Universal" Samovars and Tea Ball Tea Pots

Makes perfect tea, such as is possible in no other way. The tea leaves are placed in the tea ball, which is then drawn up in cover, and held there by a lock in the end of the chain. The pot is filled with freshly boiled water. The tea ball is lowered into it and after three or four minutes is raised and secured into the cover.

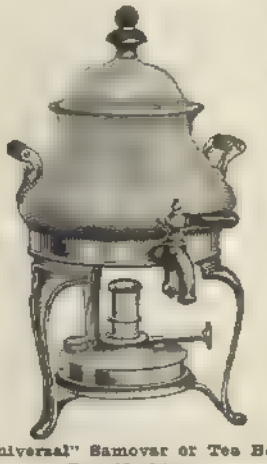
Chafing Dish Trays Only.
Made of heavy gauge solid copper, satin finished back and center, polished border.

12 inch Round Trays

No. 112C Copper ..... each $[illegible]
No. 112N Nickel plated ..... each [illegible]
No. 112S Silver plated ..... each [illegible]

14 inch Round Trays

No. 14C Copper ..... each $[illegible]
No. 14N Nickel plated ..... each [illegible]
No. 14S Silver plated ..... each [illegible]



"Universal" Samovar or Tea Ball Tea Machine.

Furnished in nickel plate only, ebonwood handles and knobs, capacity 3 pints or 6 cups.

No. 6066 Nickel plated ....each $11.10

The Tea Ball Remains in Pot.

A faucet to pour from. The last cup the same as the first. Every cup perfect tea.

Made of Solid Copper.

Perfect tea, ready to serve. Note that the Tea Ball is entirely above the liquid.

"Universal" Samovar or Tea Ball Tea Machine

Ebonwood handles and knobs, capacity 3 pints or 6 cups.

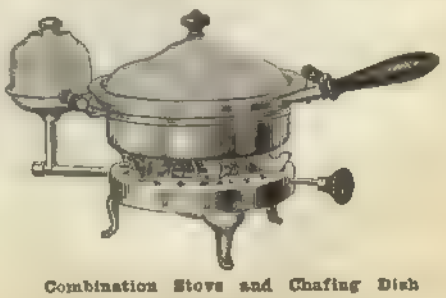
No. 606C Polished copper ..... each $11.95
No. 606N Nickel plated ..... each 17.95
No. 606S Silver plated ..... each 21.60

Tea Ball Tea Pot.
Made of Copper. Non-heating handles.
Capacity 3 pints or 6 cups.

No. 300C Polished copper .....each $10.35
No. 300N Nickel plated .....each 10.35
No. 300S Silver plated .....each 13.70

Tea Ball Tea Pot.
Made of Copper. Non-heating handles.
Capacity 3 pints or 6 cups.

No. 100C Polished copper ..... each $10.35
No. 100N Nickel plated .....each 10.35
No. 100S Silver plated .....each 13.70

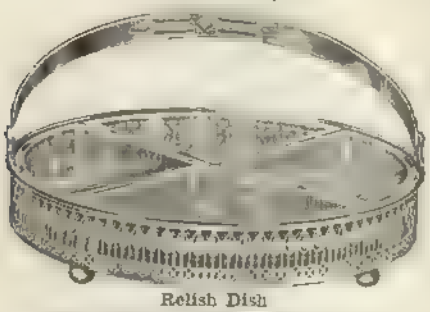


Combination Stove and Chafing Dish

No. 2161N Stove and dish, nickel plated and highly polished, complete ..... $[illegible]
No. 611 Stove only ..... each [illegible]

Burner of this stove made of brass, is efficient and easily operated as a gas range.

Lander's, Frary & Clark's Fine "Universal" Sandwich Trays and Basket, Cracker and Cheese Dishes, Cake and Fruit Dish, Fruit Basket, Muffin Stand, Etc.

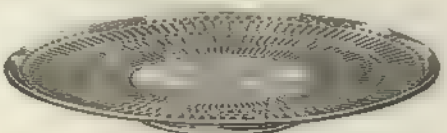


Relish Dish
Four separable glass compartments

No. 311804N Nickel plated. Diam. of tray, 8½ in. $2.10
No. 3118048 Silver plated. Diam. of tray, 8½ in. 3.70
Brazed seamless frame. Strong handles and feet.

Sandwich Tray
Diameter 10 inches

No. 1111N Nickel plated $4.60
No. 1111S Silver plated 6.90



Sandwich Tray.
Diameter 10 inches.

No. 1111N Nickel plated $4.60
No. 1111S Silver plated 6.90

Sandwich Basket.
Diameter, 10 inches.

No. 1214N Nickel plated $6.10
No. 1214S Silver plated 8.70

Sandwich Tray.
Diameter, 10 inches.

No. 1114N Nickel plated $4.60
No. 1114S Silver plated 6.90

Sandwich Tray.
Diameter, 10 inches.

No. 1111N Nickel plated $4.60
No. 1111S Silver plated 6.90

Cracker and Cheese Dish.
With Separable Glass Center Compartment.
Diameter, 10 inches.

No. 22120N Nickel plated $6.00
No. 22120S Silver plated 9.80

Cracker and Cheese Dish.
With Separable Glass Center Compartment.
Diameter, 10 inches.

No. 22140N Nickel plated $6.00
No. 22140S Silver plated 9.50

Cracker and Cheese or Buffet Dish.
With Separable Glass Lined Pedestal.
Diameter, 10 inches.

No. 22111N Nickel plated $8.40
No. 22111S Silver plated 11.50

Cracker and Cheese or Buffet Dish.
With Separable Glass Lined Pedestal.
Diameter, 10 inches.

No. 22131N Nickel plated $8.40
No. 22131S Silver plated 11.50

Fruit Dish.
Diameter, 10 inches.

No. 1813N Nickel plated $6.90
No. 1813S Silver plated 9.80

Muffin or Curate Stand.
Ebony Handle
Width, 8 inches. Length, 13 inches

No. 5021N Nickel plated $11.10
No. 5021S Silver plated 14.50

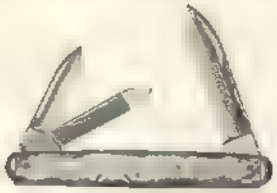
Fruit Basket
Diameter, 10 inches

No. 1911N Nickel plated $7.60
No. 1911S Silver plated 10.70

Cake Dish
Diameter, 10 inches.

No. 1512N Nickel plated $9.20
No. 1512S Silver plated 12.20

"UNIVERSAL" POCKET CUTLERY



No. 73425 3⅝ in Pearl Handle. Per doz., $31.45
Three Blades, Spear, Pen and Nail File,
Half polished. Brass Lined. German Silver Tips.

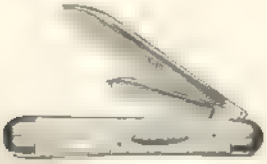
No. 03425 3 in. Stag Handle. Per doz., $16.7
Three Blades, Spear, Pen and Nail File,
Half polished. Brass Lined. German Silver Tips.

No. 73494 3⅝ in. Pearl Handle. Per doz., $38.70
Three Blades, Sabre Clip, Plain Clip and
Pen, half polished. Brass Lined. Knurled Back.
German Silver Bolsters and Shield.

No. 73440 3¼ in. Pearl Handle. Per doz., $48.00
Three Blades, Sheep Foot, Pen and Nail File,
Half polished. German Silver Lined. Knurled Back.

No. 73276 3¼ in. Pearl Handle. Per doz., $37.00
Three Blades, Spear, Pen and Nail File,
Half polished. German Silver Lined
German Silver Tips and Shield.

No. 73174 2⅞ in Pearl Handle. Per doz., $26.80
Three Blades, Spear, Pen and Nail File,
Half polished. Brass Lined. German Silver Tips.



No 7250 3 in Pearl Handle. Per doz., $22.20
Two Blades, Spear and Pen, half polished
Brass Lined. German Silver Bolster, Cap and Shield.

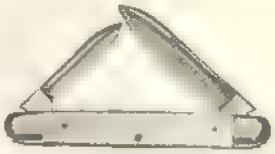
No. 73[illegible] 3¼ in Pearl Handle. Per doz., $36.00
Three Blades, Spear, Pen and Nail File,
Full polished. German Silver Lined
German Silver Bolsters and Shield.

No. 73212 3¼ in. Pearl Handle. Per doz., $40.70
Three Blades, Spear, Pen and Nail File,
Full polished. Knurled Edge. German Silver Lined.

No. 74212 3¼ in. Pearl Handle. Per doz., $42.50
Four Blades, Spear, Two Pens and Nail File,
Full polished
German Silver Lined. Knurled Edge.

No. 73326 3⅛ in. Pearl Handle. Per doz., $46.25
Three Blades, Spear, Pen and Nail File,
Full polished. German Silver Lined
Knurled Back. German Silver Shield

No. 7327 3 in. Pearl Handle Per doz., $29.60
Three Blades, Spear, Pen and Nail File,
Half polished Brass Lined German Silver Bolsters



No. 7261 3 in. Pearl Handle. Per doz., $21.30
Two Blades, Spear and Pen, half polished.
Brass Lined. German Silver Bolsters.

No. 72337 3 in Pearl Handle. Per doz., $24.00
Two Blades, Spear and Pen, half polished
Brass Lined. German Silver Bolsters and Shield.

Illustrations of Pocket Knives one-half actual size

"UNIVERSAL" POCKET CUTLERY

Manufactured by LANDERS, FRARY & CLARK

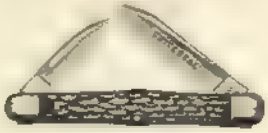
A SUPERIOR LINE OF AMERICAN POCKET CUTLERY

Finely Ground, Tempered and Finished
Blades Hammered from Wardlow Steel
Handles of Pearl, Stag, Ivoroy and Buffalo Celluloid

THE BRAND "UNIVERSAL" IS A GUARANTEE OF QUALITY

No. 7208 2½ in. Pearl Handle. Per doz., $14.80
Two Blades, Spear and Pen, half polished.
Brass Lined. German Silver Bolsters.

No. 7226 3 in. Pearl Handle. Per doz., $16.70
Two Blades, Spear and Pen, half polished.
Brass Lined. German Silver Bolsters.



No. 02309 3 in. Stag Handle. Per doz., $11.50
Two Blades, Spear and Pen, half polished.
Brass Lined German Silver Bolsters.

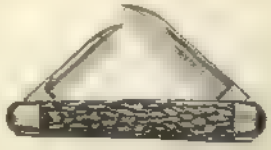
No. 04309 3 in. Stag Handle Per doz., $15.75
Three Blades, Spear, Pen and Nail File,
Half polished. Brass Lined
German Silver Bolsters and Shield

No. 02425 3 in. Stag Handle Per doz. $12.4
Two Blades, Spear and Nail File, half polished
Brass Lined. German Silver Tips.

No. 4242 3 in. Buffalo Ivoroy Handle. Per doz., $12.95
Two Blades, Spear and Nail File half polished
Brass Lined German Silver Tips.

No. 7210 2½ in. Pearl Handle Per doz., $16.75
Two Blades, Spear and Pen, half polished
Brass Lined German Silver Bolsters.

No. 7202 2¾ in. Pearl Handle. Per doz., $17.60
Two Blades, Spear and Pen, half polished.
Brass Lined. German Silver Bolsters



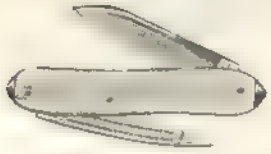
No. 02337 3 in. Stag Handle. Per doz., $11.10
Two Blades, Spear and Pen, half polished
Brass Lined. German Silver Bolsters.

No. 02185 3⅜ in. Stag Handle. Per doz., $12.95
Two Blades, Spear and Pen, with Catch Spring,
Half polished.
Brass Lined. German Silver Bolsters and Shield

No. 12 85 3 in. Ebony Handle. Per doz., $12.40
Two Blades, Spear and Pen, with Catch Spring,
Half polished
Brass Lined. German Silver Bolsters and Shield.

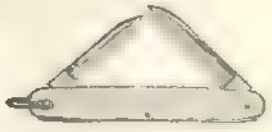
Illustrations of Pocket Knives one half actual size

"UNIVERSAL" POCKET CUTLERY

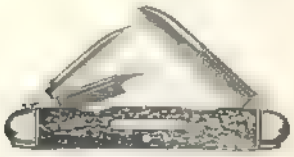


No. 72617 3 in. Pearl Handle. Per doz., $35.20
Two Blades, Spear and Nail File, half polished.
German Silver Lined German Silver Tips.

No. 52617 3 in. Ivoroy Handle Per doz., $22.20
Two Blades, Spear and Nail File, half polished
Brass Lined. German Silver Tips and Shield

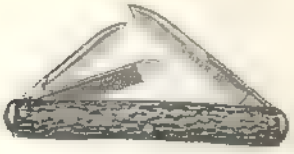


No. 72135 2¾ in. Pearl Handle. Per doz., $24.95
Two Blades, Spear and Nail File,
Half polished. Brass Lined
With Shackle for use in attaching to Watch Chain.



No. 03144 3½ in. Stag Handle. Per doz., $14.70
Three Blades, Spear, Pen and Nail File,
Half polished Brass Lined
German Silver Bolsters and Shield

No. 03[illegible] in. Stag Handle Per doz., $14.70
Three Blades, Spear, Pen and Nail File,
Half polished
Brass Lined. German Silver Bolsters.



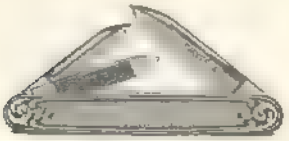
No. 03419 5¼ in. Stag Handle. Per doz., $21.20
Three Blades, Spear, Pen and Nail File,
Half Polished Brass Lined
Knurled Edge German Silver Tips

No. 0316 3½ in. Stag Handle Per doz., $11.80
Two Blades, Sheep Foot and Pen, High Color.
Iron Lined. Iron Bolsters. German Silver Shield.

No. 0379 3⅝ in. Stag Handle. Per doz., $14.35
Three Blades, Spear, Pen and Nail File,
Half polished Brass Lined
German Silver Bolsters and Shield.

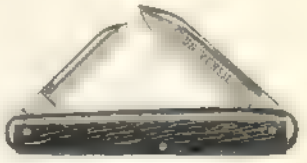
No. 0340 3½ in. Perfect Stag Handle. Per doz., $20.60
Three Blades, Sheep Foot, Pen and Nail File
Half polished Brass Lined
Knurled Back. German Silver Tips and Shield

No. 0440 3½ in. Perfect Stag Handle Per doz. $31.35
Four Blades, Sheep Foot, Two Pens and
Nail File, half polished Brass Lined
Knurled Back. German Silver Tips and Shield.



No. 52678 3¼ in. Ivoroy Antique Hdle. Per doz., $22.20
Two Blades, Spear and Pen, half polished
German Silver Lined

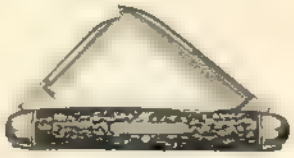
No. 52678 3¼ in. Ivoroy Antique Hdle. Per doz., $30.00
Three Blades, Spear, Pen and Nail File,
Half polished German Silver Lined.



No. 42106 3⅝ in. Buffalo Ivoroy Hdle. Per doz. $12.00
Two Blades, Spear and Pen, half polished
Brass Lined. German Silver Tips.

Illustrations of Pocket Knives one half actual size.

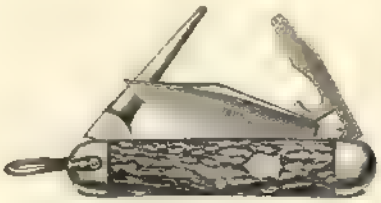
"UNIVERSAL" POCKET CUTLERY



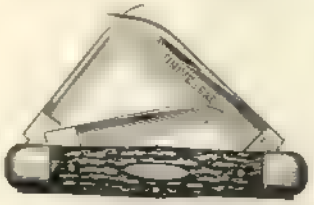
No. 02144 3¼ in. Stag Handle. Per doz., $11.50
Two Blades, Spear and Pen, half polished.
Brass Lined. German Silver Bolsters and Shield

No. 03494½ 3½ in. Stag Handle Per doz., $21.30
Three Blades, Sabre Clip, Clip Pen and
Regular Pen, Half polished
Brass Lined German Silver Bolsters and Shield.

No. 43494½ 3½ in. Buffalo Ivoroy Hdle Per doz., $21.30
Three Blades, Sabre Clip, Clip Pen and
Regular Pen half polished
Brass Lined. German Silver Bolsters and Shield



No. 03087 3¼ in. Stag Handle Per doz., $21.20
Three Blades, Clip, Gouge and Bottle Cap Opener.
Half Polished Brass Lined
German Silver Bolsters and Shield With Shackle



No. 03629 3½ in. Perfect Stag Hdle. Per doz., $16.70
Three Blades, Spear and Two Pens,
Half Polished
Brass Lined. German Silver Bolsters and Shield

The UNIVERSAL SAFETY RAZOR

for Comfort and a Clean Shave

With One Extra Blade

To Retail for $1.00

Shaves with the Diagonal Draw Cut—Easily—Smooth. Universal Blade is made of the finest quality Chrome Steel. Tempering, Grinding and Honing is done with a Scientific Accuracy, that insures absolutely a Perfect Shave.

Shaves down as ordinary razor—with the guard on, impossible to cut yourself. Strop it same as ordinary razor, clean guard and razor after shaving. With proper care this razor will last for years.

No. 60	Ivoroy (Antique) Handle Razor, Guard and Extra Blade in Case	Per doz,	$22.20
No. 30	Ivoroy (Black) " " " " " " " " "	" "	22.20
No. 160	Ivoroy (Antique) " " " " " " and Strop in Case	Ea.	2.80
No. 130	Ivoroy (Black) " " " " " " " " "	Ea.	2.80

Extra Blades $2.80 Per dozen.

Manufactured by LANDERS, FRARY & CLARK.

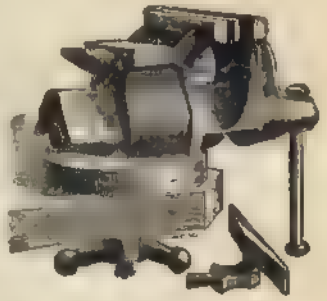
VISES

CHAMPION

Champion Vises are made especially for the most particular tool users and are warranted against defects and breakage

They are particularly desirable for jewelers, die makers and key filers.

High Grade Semi-Steel Front Jaw, Best Quality Gray Iron Back Jaw, Turned Bar Steel Screw with Lathe Cut Threads, Bright Red Enameled, Highly Polished Jaws, Screw, Slide and Anvil.



Nos. 112 to 123 Clamp Base

	Per Dozen
No. 112—1½ in. Jaws, Steel Front Jaw, Weight Each 1¼ Lbs.	$ 4.50
No. 113—1⅝ in. Jaws, Steel Front Jaw, Weight Each 1⅝ Lbs.	6.50
No. 114—2 in. Jaws, Steel Front Jaw, Weight Each 2½ Lbs.	9.00
No. 115—2¼ in. Jaws, Steel Front Jaw, Weight Each 2⅝ Lbs.	12 00
No. 116—2 in. Steel Jaws, Weight Each 2½ Lbs.	15 00
No. 117—2 in. Jaws, Steel and Swivel Jaw, Weight Each 2¾ Lbs.	21 00
No. 118—2½ in Jaws, Steel Front Jaw, Weight Each 3⅝ Lbs.	18 00
No. 119—2½ in. Steel Jaws, Weight Each 3¾ Lbs.	24.00
No. 120—2½ in. Jaws, Steel Jaws and Swivel Jaw, Weight Each 4 Lbs.	30.00
No. 121—3 in. Jaws, Steel Front Jaw, Weight Each 6⅝ Lbs.	24.00
No. 122—3 in. Steel Jaws, Weight Each 6⅝ Lbs.	30.00
No. 123—3 in. Jaws, Steel Jaws and Swivel Jaw, Weight Each 7 Lbs.	36.00

Nos. 112 to 120, Two in a Box; Balance One in a Box.

VICTOR JERSEY

Suitable for Jewelers and Makers of Small Tools.

Clamp Base, Japanned, Plain Iron Jaws.

Nos.	741	742	743	744	745	746
Jaws, Inches	1½	1¾	2	2¼	2½	3
Weight Each, Lbs.	3	3¼	3½	4	5	8¾
Each	$0.70	.90	1.00	1.25	1.50	2.00

One in a Paper Package.

ATHOL STANDARD JEWELERS' AND ARTISANS'

Solid Clamp Base, Smooth Faced Tempered Tool Steel Jaws.

A very desirable addition to the Auto Tool Kit.

Nos.	3	4	5
Jaws, Inches	1⅛	1⅝	2⅛
Jaws Open, Inches	1¼	1⅝	2
Weight Each, Lbs.	1½	2¾	5¾
Each	$1.40	2.00	3.15

One in a Box.

Nos. 125 to 130 Swivel Base.

	Per Dozen
No. 125—2 in. Steel Jaws, Weight Each 3 Lbs.	$15.00
No. 126—2 in. Steel Jaws and Swivel Jaw, Weight Each 3 Lbs.	21 00
No. 127—2½ in. Steel Jaws, Weight Each 4¾ Lbs.	24.00
No. 128—2½ in. Steel Jaws and Swivel Jaw, Weight Each 4¼ Lbs.	30 00
No. 129 3 in Steel Jaws, Weight Each 8 Lbs	36 00
No. 130—3 in. Jaws, Steel Jaws and Swivel Jaw, Weight Each 8¼ Lbs.	42.00

One in a Box.

YANKEE

Designed for Use on Bench Drills or Separately Attached to Bench.

Cast Iron Body and Sliding Jaw, Hardened Steel Faces

For use in holding work to be machined. Accurately machined all over so it can be used on either side or end as well as on its base.

The sliding jaw extends through slot 1 in. wide in body of vise in one piece, fitted with two steel keys set in the same, thus securing a parallel movement, and so constructed as to cause very little wear.

Each

No. 993—Base 7¼ in. Long and 2⅝ in. Wide, Extreme Height 3 in., Jaws 2⅝ in. Wide and 1⅞ in. Deep, Jaws Open 3⅛ in., Complete with Hardened Steel Block with V Shaped Grooves of Various Sizes for Holding Round or Irregular Shaped Work in Drilling, Shaping, etc., Weight Each 9 Lbs. $4.70

One in a Fibre Box.

With Swivel Base.

Cut Showing Swivel Base.

This is the No. 993 Yankee Vise (described above) mounted on Swivel Base for use on bench, and its upper parts (No. 993) quickly detachable for use on Drill Press, Shaper, etc., and putting back again on Swivel Base.

The Swivel Base is easily and firmly locked or released in any position by short movement of lever at the side. Base is 4¾ in. diameter and has grooved bottom to give level bearing on bench.

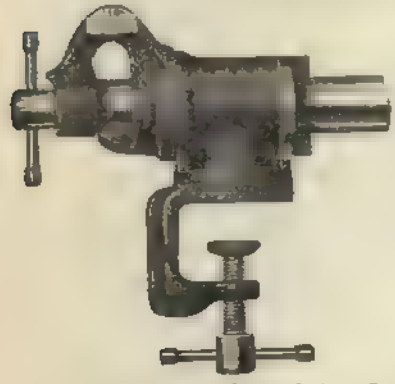
Each

No. 1993—Extreme Length Over All 8¾ in., Extreme Height with Swivel Base 5⅝ in., Jaws 2⅝ in. Wide and 1⅞ in. Deep, Jaws Open 3⅛ in. Wide and 1⅞ in. Deep, Jaws Open 3⅛ in., Complete with Hardened Steel Block with V Shaped Grooves of Various Sizes for Holding Round or Irregular Shaped Work in Drilling, Shaping, Etc., Weight Each 13½ Lbs. $7.00

One in a Fibre Box.

VISES

F. & R. AUTO AND MOTOR



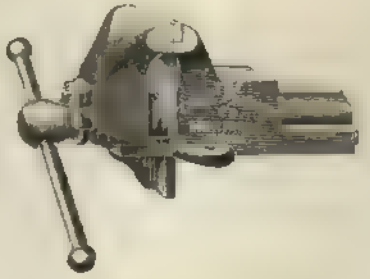
Swivel Base.

Cast Steel Faced and Tempered Jaws. Painted, Polished Finished Parts

A most convenient vise to clamp on the running board or garage bench

	Each
No. FR—Width of Jaws 2 in., Jaws Open 2 in., Weight Each 7½ Lbs.	$8.50

PARKER'S OVAL SLIDE

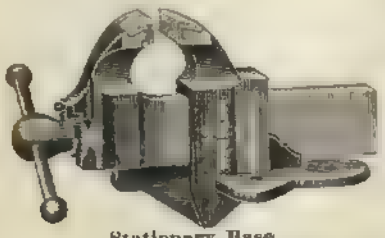


Stationary Base.

Inserted Steel Faces to Both Jaws, Top Ridges of Slide Fitting into Groove to Back Jaw Preventing Side Play when Slide is Extended

Nos.	30	31	32	34	35
Jaws, Inches	2⅝	3	3½	4	4¾
Jaws Open, Inches	3¾	4	4	4	4¼
Weight Each, Lbs	8½	13	19	28	35
Each	$2 50	3 00	4.25	6.50	9 50

PARKER'S ECLIPSE

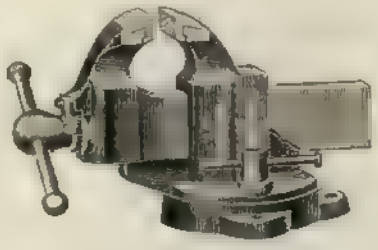


Stationary Base.

Renewable Polished Steel Faces, Milled and Fitted to the Jaws, Carefully Threaded Screw and Nut.

Nos.	102–3	103–3½	104–4
Jaws, Inches	3	3½	4
Jaws Open, Inches	4	5	6
Weight Each, Lbs	23	35	43
Each	$6.00	7.00	8.50

Nos.	105–4½	106–5	107–6
Jaws, Inches	4½	5	6
Jaws Open, Inches	6½	7½	10
Weight Each, Lbs	61	82	133
Each	$10 00	13 00	25 00



Swivel Base with Patent Tightening Stud.

Renewable Polished Steel Faces, Milled and Fitted to the Jaws, Carefully Threaded Screw and Nut.

Nos.	202–3	203–3½	204–4
Jaws, Inches	3	3½	4
Jaws Open, Inches	4	5	6
Weight Each, Lbs.	27	42	58
Each	$7.50	8 75	10 50

Nos.	205–4½	206–5	207–6
Jaws Inches	4½	5	6
Jaws Open Inches	6½	7½	10
Weight Each, Lbs.	76	104	158
Each	$12 50	16.00	30.00

PARKER'S IMPROVED

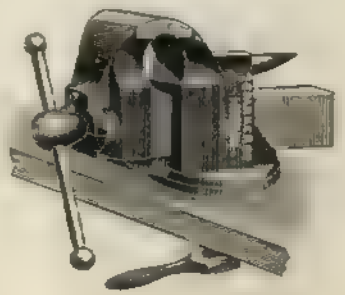
Semi-Steel, Stationary Base.

Renewable Polished Steel Faces, Milled and Fitted to the Jaws, Carefully Threaded Screw and Nut.

Nos.	3/0X	1X	2X
Jaws, Inches	3¼	3¾	4½
Jaws Open, Inches	4¼	5½	6½
Weight Each, Lbs.	29	45	58
Each	$6 25	7 00	9 00

Nos.	3X	4X	5X
Jaws, Inches	4¾	5½	6¼
Jaws Open, Inches	8¼	9½	10½
Weight Each, Lbs.	76	112	150
Each	$11.75	16 25	24 00

PARKER'S IMPROVED



Semi-Steel, Cast Steel Anvil.

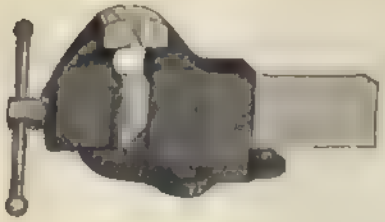
Swivel Base.

Renewable Polished Steel Faces Milled and Fitted to the Jaws, Carefully Threaded Screw and Nut.

Nos.	19	20	21	22
Jaws, Inches	2	2¼	4	4¼
Jaws Open, Inches	2¼	2¼	4	4¼
Weight Each, Lbs.	8	8½	23	35
Each	$4.00	5.00	7.00	8.75

VISES

HOLLAND'S MACHINISTS'



These Vises meet the requirements of shops that demand the highest efficiency combined with maximum strength and durability.

Stationary Base.

Steel Faced Jaws, Steel Screw, Heavy Malleable Iron Nut

Nos.	13	13½	14	14½
Jaws, Inches	3	3½	4	4½
Jaws Open, Inches	4½	5	6	7
Depth, Inches	2¾	2⅞	3½	3⅝
Weight Each, Lbs.	25	30	45	60
Each	$6 00	7.00	8.50	10.00

Nos.	15	15½	16	17
Jaws, Inches	5	5½	6	7
Jaws Open, Inches	8	9	10	12
Depth, Inches	3¾	4	5¼	5⅝
Weight Each, Lbs.	75	105	150	190
Each	$13 00	18 50	25 00	37.50

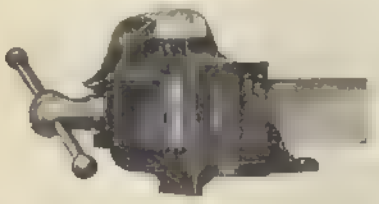
Swivel Base, Positive Locking Device.

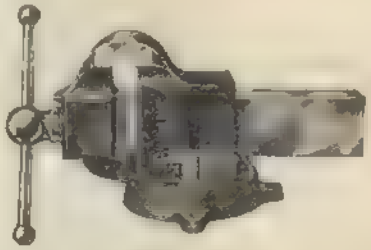
Steel Faced Jaws Steel Screw, Heavy Malleable Iron Nut.

Nos.	23	23½	24	24½
Jaws, Inches	3	3½	4	4½
Jaws Open, Inches	4½	5	6	7
Depth, Inches	2¾	2⅞	3½	3⅝
Weight Each, Lbs.	30	36	55	70
Each	$7.50	8.75	10.30	12 50

Nos.	25	25½	26	27
Jaws, Inches	5	5½	6	7
Jaws Open, Inches	8	9	10	12
Depth, Inches	3¾	4	5¼	5⅝
Weight Each, Lbs	90	120	170	210
Each	$16.00	22 00	30.00	42 50

STAR MACHINISTS'





Stationary Base, Welded Cast Steel Faced Jaws.

Nos.	8½	9	10
Jaws, Inches	3	3½	4
Jaws Open, Inches	4	5½	6
Weight Each, Lbs.	20	28	42
Each	$6.00	7.00	8.50

Nos.	11	12	13
Jaws, Inches	4½	5	6
Jaws Open, Inches	7	8	10
Weight Each, Lbs.	54	72	125
Each	$10.00	13.00	25.00

Swivel Base, Welded Cast Steel Faced Jaws.

Nos.	18½	19	20
Jaws, Inches	3	3½	4
Jaws Open, Inches	4	5½	6
Weight Each, Lbs.	28	36	50
Each	$7.50	8.75	10.50

Nos.	21	22	23
Jaws, Inches	4½	5	6
Jaws Open, Inches	7	8	10
Weight Each, Lbs	64	82	153
Each	$12.50	16 00	30.00

"F. & R." MACHINISTS'

The "F. & R." Vise has the advantage of two complete swivels, a combination of the two giving the most desirable positions for the use of a mechanic.

The vise is locked at any angle by two separate methods. One by clamping the work within the jaws which tightens the frictions and the other by the use of the position pins. With both in use the vise is positively locked in any position.

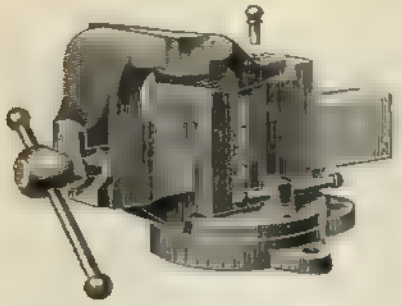
The jaws are always held in place when work is removed by the position pins, if the operator requires, by the use of which the vise is made stationary at any angle.

Swivel Base, Welded Cast Steel Faced Jaws.

Nos.	3	4	5	6	7
Jaws, Inches	3½	4	4½	5	6
Jaws Open, Inches	5	5⅝	6½	7	9
Weight Each, Lbs	37	56	70	89	155
Each	$14.00	17.00	20 00	25.00	35.00

VISES

PARKER'S VICTOR

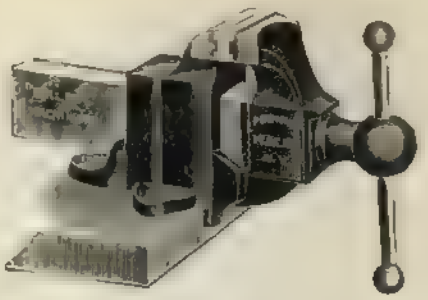


Swivel Base with Patent Tightening Stud.

Semi-Steel Body, Polished Steel Faced Jaws, Reinforced Slide, with Swivel Back Jaw Giving Instant Adjustment to Wedge Shaped Pieces.

Nos.	270	271	271½	272
Jaws, Inches	3¼	3⅝	4	4½
Jaws Open, Inches	3⅜	5	5	6
Weight Each, Lbs.	32	49	54	69
Each	$7 00	8.50	10.50	12 50
Nos.		273	274	275
Jaws, Inches		5	5½	6¼
Jaws Open, Inches		7	9	9¾
Weight Each, Lbs.		86	117	170
Each		$16.00	19 00	27 00

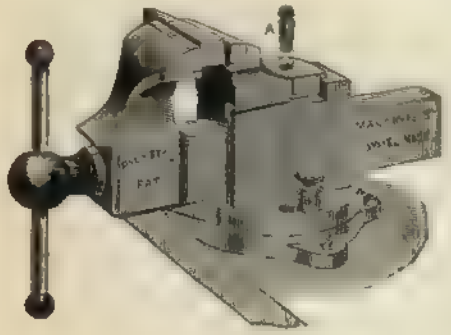
BULL DOG MACHINISTS'



Stationary Base.

Equipped with Patent Detachable Steel Jaws, which Insure Maximum Holding Power with Moderate Pressure on Work

Nos.	50	51	52	53
Jaws, Inches	3½	3⅝	4⅛	4⅝
Jaws Open, Inches	4	5½	6	7
Weight Each, Lbs.	22	28	42	52
Each	$6 00	7 00	8 50	10 00
Nos.	54	55	56	57
Jaws, Inches	5	5½	6	7
Jaws Open, Inches	8	9	10	12
Weight Each, Lbs.	72	100	135	210
Each	$13.00	18.50	25 00	37.50



PRENTISS' IRONWORKERS

Swivel Base, Patent Detachable Steel Jaws, Self-Adjusting Back Jaw.

The back jaw automatically adjusts itself and makes firm an object of any shape With back jaw pin inserted it becomes a parallel solid jaw vise.

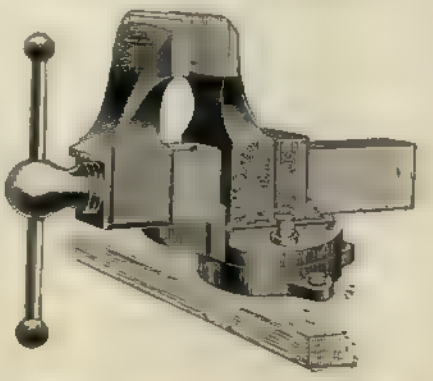
Nos.	18	19	19½	20	21	22	23
Jaws, Inches	2⅝	3½	4	4½	5¼	6	7
Jaws Open, Inches	3½	4¾	5¼	6	8	9	11
Weight Each, Lbs.	17	32	46	65	109	168	207
Each	$6 70	8.50	10.50	12.50	19 00	27.00	33.00

SHEPARD WOOD WORKERS'

Stationary Base, Steel Faced Jaws.

Nos.	166	68
Jaws, Inches	3½	4½
Jaws Open, Inches	7	9
Weight Each, Lbs.	33	42
Each	$5.25	6.25

BULL DOG WOOD WORKERS'



Stationary Base, Steel Faced Jaws.

No.	59
Jaws, Inches	4¼
Jaws Open, Inches	9
Weight Each, Lbs.	48
Each	$9.50

WRENCHES

AGRICULTURAL.

Black Finish.

One Piece Drop Forged Steel, Head and Bar, Easy Acting Screw, Thoroughly Seasoned Hardwood Handle

Length, Inches	6	8	10	12	15
Opens, Inches	3/4	1 1/16	1 1/4	1 7/8	2 1/16
Wt. Dozen, Lbs.....	9	16	25	40	53
Per Dozen	$10.00	12 00	14.00	18.00	24 00

One-half Dozen in a Box.

B. & C.

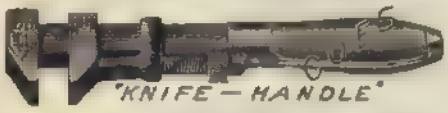
Black Finish.

Forged Special Open Hearth Steel Bar with Oval Front and Back, Very Tough Semi-Steel Slide, Solid High Grade Steel Screw, One Piece Handle Frame and Bolster with Riveted Hardwood Sides.

Length, Inches...	6	8	10	12	15	18
Opens, Inches....	7/8	1 1/16	1 5/8	2 1/16	2 5/8	3
Wt. Dozen, Lbs..	8 1/2	14 1/2	30	40	56	78
Per Dozen	$10.00	12 00	14.00	18.00	24 00	32 00

One-half Dozen in a Box.

COE'S KNIFE HANDLE



Black Finish.

Hardened Special Steel Bar, Hardened Semi-Steel Jaws, Hardened One-Piece Steel Screw, Cast Semi-Steel Handle Frame with Riveted Hardwood Sides.

Length, Inches	6	8	10	12
Opens, Inches	7/8	1 1/16	1 5/8	2 1/16
Weight Dozen, Lbs....	9	15	26	40
Per Dozen	$10 00	12 00	14.00	18.00

Length, Inches	15	18	21
Opens, Inches	2 7/16	3 1/16	3 13/16
Weight Dozen, Lbs....	58	79	107
Per Dozen	$24.00	32.00	39 00

COE'S STEEL HANDLE

Black Finish.

Hardened Special Steel Bar, Hardened Semi-Steel Jaws, Hardened One-Piece Steel Screw, Steel Handle.

Note—12 in. and Larger Have Ball Bearing Screw.

Length, Inches	6	8	10	12
Opens, Inches	7/8	1 1/16	1 5/8	2 1/16
Weight Dozen, Lbs....	9	16	28	44
Per Dozen	$10 00	12 00	14.00	18.00

Length, Inches	15	18	21
Opens, Inches	2 1/16	2 13/16	4 1/16
Weight Dozen, Lbs....	64	89	125
Per Dozen	$24 00	32 00	39.00

6 to 12 in., One-half Dozen; 15 and 18 in., One-third Dozen; 21 in., One-twelfth Dozen in a Box.

TRIMO 1912 PATTERN

Showing Nut Guards Separate.

Polished.

Nut with Guards Inserted.

Drop Forged Bar Steel Handle, Frame and Jaws, with Steel Nut Guard Preventing Accidental Rotation of the Adjusting Nut in Close Quarter Work.

Length, Inches	6	8	10	12	15	18
Opens, Inches	7/8	1 1/16	1 5/8	2 1/16	2 5/8	3 1/4
Weight Each, Lbs.....	1 1/2	1 7/8	3 1/4	5	7	
Per Dozen	$11.50	12.50	15 00	19.00	30 00	36 00

One-half Dozen in a Box.

COE'S KEY MODEL

Made of Heavy Steel Forgings, Fully Hardened.

Will not batter and jam a large nut as will a chain wrench. Will not slip or make trouble and will take anything within its opening capacity, no matter whether square or hexagon.

Length, Inches	28	36	48
Opens, Inches	5 1/16	6 1/4	9 1/2
Weight Each, Lbs.....	19	28	62
Each	$9.75	19.00	47.00

Open Stock

WRENCH PIPE JAWS

YANKEE

Can be Instantly Attached to Any Monkey Wrench, Converting it into a Pipe Tool. Tool Steel Polished and Hardened.

Per Dozen

No. 217 -For All Size Wrenches Up to and Including 15 in., Weight Per Dozen 3 3/4 Lbs $4.00

Open Stock

WRENCHES

BILLINGS & SPENCER

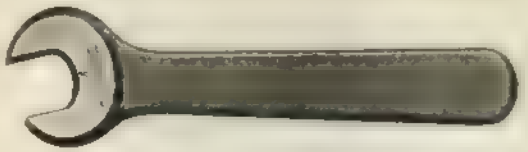
ENGINEERS' SINGLE HEAD

Finished.

For United States Standard Nuts and Hexagon Head Cap Screws

15 Degree Angle, Drop Forged Steel, Milled Openings.

Finished Wrenches have Openings Milled, are Polished All Over, and are Hardened and Treated with a Special Black Finish



Nos.	1000	1001	1002	1003	1004	1005	1006	1007	1008	1009	1010
Length, Inches	3	4	4	5	5	5½	5½	6½	6½	7½	
U. S. S. Bolt, Inches	⅛	¼		⅛		⅜		⅜		½	
Hex. Head Cap Screws, Inches											
Openings, Inches											
Thickness of Head, Inches	15/64	⅜	⅜	⅜	⅜	⅜	⅜	⅜	⅜	⅜	
Each	$0 23	.25	.25	.28	.28	.32	.32	.38	.38	.45	

Nos.	1011	1012	1013	1014	1015	1016	1017	1018
Length, Inches	8	8½	8½	9¼	11	11	13	13
U. S. S. Bolt, Inches	¼	⅜	⅜	⅜	⅜	½	½	⅝
Hexagon Head Cap Screw, Inches	⅜	⅜	⅜	½	½	½	½	⅝
Openings, Inches	⅝	⅝	⅝	⅞	1	1⅛	1⅛	1⅜
Thickness of Head, Inches	⅜	⅜	⅜	⅜	⅜	⅜	⅜	⅜
Each	$0 45	.54	.65	.65	.82	1.05	1.05	1.52

ENGINEERS' DOUBLE HEAD.

Finished.

15 Degree Angle, Drop Forged Steel, Milled Openings.

Nos.	11004	1100	1101	1102	1103	1104	1105	1106	1107	1108	1109	1110
Length, Inches	3½	4	4	4	6½	6½	6½	6½	6½	8	8	
U. S. S. Bolt, Inches			⅛, ¼		⅛, ¼							
Hex. Head Cap Screw, Inches				⅛, ¼		¼, ⅜	¼, ⅜	¼, ⅜	¼, ⅜	¼, ⅜	¼, ⅜	¼, ⅜
Openings, Inches	⅜, ⅜	⅜, ⅜	⅜, ⅜	⅜, ⅜	⅜, ½	⅜, ½	⅜, ½	⅜, ½	½	½, ⅝	½, ⅝	½, ⅝
Thickness of Head, Inches	⅜	⅜	⅜	⅜	⅜	⅜	⅜	⅜	⅜	⅜	⅜	⅜
Each	$0 23	28	28	28	32	32	32	32	32	38	38	38

Nos.	1111	1112	1113	1114	1115	1116	1117	1118	1119	1120	1121	1122
Length, Inches				6	6	6	6	6	6¾	6¾	6¾	6¾
U. S. S. Bolt, Inches		¼, ⅜										
Hex. Head Cap Screw, Inches	⅜, ⅜			⅛, ⅜								
Openings, Inches	⅜, ⅜	½, ⅝	½, ⅝	½, ⅝	½, ⅝	½, ⅝	½, ⅝	½, ⅝	½, ⅝	½, ⅝	½, ⅝	½, ⅝
Thickness of Heads, Inches	⅜	⅜	⅜	⅜	⅜	⅜	⅜	⅜	⅜	⅜	⅜	⅜
Each	$0 38	38	38	46	46	46	46	46	56	56	56	56

Nos.	1123	1124	1125	1126	1127	1128	1129	1130	1131	1132	1133
Length, Inches	8	8	8	8	8	9	9	9	9	9	9
U. S. S. Bolt, Inches	⅜, ½	⅜, ½				½, ⅝	½, ⅝			½, ⅝	
Hex. Head Cap Screw, Inches			½, ⅝	½, ⅝	½, ⅝			½, ⅝	⅝, ¾		⅝, ¾
Openings, Inches	⅞, 1	⅞, ⅞	¾, ⅞	¾, ⅞	¾, 1	⅞, ⅞	⅞, 1	⅞, 1	1, 1⅛	⅞, 1	1, 1⅛
Thickness of Heads, Inches	⅜	⅜	⅜	⅜	⅜	⅜	⅜	⅜	⅜	⅜	⅜
Each	$0 56	68	68	68	68	68	.85	.85	.85	.85	.85

Nos.	1134	1135	1136	1137	1138	1139	1140	1141	1142	1143	1144
Length, Inches	10	10	10	11½	11½	11½	11½	13½	13½	13½	13½
U. S. S. Bolt, Inches	½, ⅝		⅝, ¾								
Hex. Head Cap Screw, Inches		⅝, ¾		⅝, ¾	⅝, ¾	⅝, 1	⅝, ¾	⅝, 1	⅞, 1	⅞, 1¼	⅞, 1¼
Openings, Inches	⅞, 1¼	⅞, 1⅛	1, 1⅛	1, 1¼	1, 1¼	1, 1¼	1¼, 1¼	1¼, 1¼	1¼, 1¼	1¼, 1¼	1¼, 1¼
Thickness of Heads, Inches	½	½	½	½	½	½	½	½	½	½	½
Each	$1 08	1 08	1 08	1 40	1 40	1 40	1 40	1 80	1 80	1 80	1 80

Nos.	1145	1146	1147	1148	1149	1150	1151	1152	1153	1154	1155
Length, Inches	13½	13½	13½	16	16	16	18	18	18	21	21
U. S. S. Bolt, Inches	⅝	⅝		¼, 1		⅝, 1	⅝, 1¼	1	1, 1⅛	1, 1⅛	1¼, 1⅛
Hex. Head Cap Screws, Inches	1, 1⅛	1, 1⅛	1, 1⅛		1⅛, 1⅜			1¼			
Openings, Inches	1⅛, 1⅜	1⅛, 1⅜	1⅛, 1⅜	1⅜, 1⅝	1⅜, 1⅝	1⅜, 1⅝	1⅜, 1⅝	1⅜, 1⅝	1⅜, 1⅝	1⅜, 2	1⅝, 2
Thickness of Heads, Inches	¾	¾	¾	¾	¾	¾	¾	¾	1	1	1
Each	$1 80	1 90	1 90	2 80	2 80	3.80	3 50	3 50	3 50	4 70	4 70

Nos.	1156	1157	1158	1159	1160	1161	1162	1163	1164	1165	1166
Length, Inches	23	23	24	24	26	26	27	27	32	34	36
U. S. S. Bolt, Inches	1¼, 1⅜	1¼, 1⅜	1¼, 1½	1⅜, 1½	1⅜, 1⅝	1½, 1⅝	1½, 1⅝	1⅝, 1⅝	1⅝, 2	1⅝, 2⅛	2, 2⅛
Hex. Head Cap Screws, Inches											
Openings, Inches	1⅝, 2⅛	2, 2⅛	2, 2⅜	2⅛, 2⅜	2⅛, 2⅛	2⅛, 2⅛	2⅜, 2⅜	2⅛, 2⅜	2⅜, 2⅛	2⅜, 2⅛	2⅜, 2⅛
Thickness of Head, Inches	1⅛	1⅛	1⅛	1⅛	1¼	1⅜	1⅜	1⅜	1⅜	1½	1½
Each	$6 70	6 70	8 80	8 80	11 25	12.40	13 65	15.00	19.00	24 00	29 50

WRENCHES

BILLINGS & SPENCER.

DOUBLE HEAD "S."

Finished.

22½ Degree Angle, Drop Forged Steel, Milled Openings.

Finished Wrenches have Openings Milled, are Polished All Over, and are Hardened and Treated with a Special Black Finish.

Nos.	1400	1401	1402	1403	1404	1405	1406	1407	1408	1409	1410
Length, Inches	4	4	4	4	4	4	4	4	5	5	5
U. S. S. Bolt, Inches											
Hex. Head Cap Screws, Inches											
Openings, Inches											
Thickness of Heads, Inches											
Each	$0 32	.32	32	.32	32	32	32	32	42	42	.42

Nos.	1411	1412	1413	1414	1415	1416	1417	1418	1419	1420	1421
Length, Inches	5	5	5	5	5	6¼	6¼	6⅛	6¼	8¼	8¼
U. S. S. Bolt, Inches											
Hex. Head Cap Screws, Inches											
Openings, Inches											
Thickness of Heads, Inches											
Each	$0 42	42	42	42	42	56	56	.56	56	.56	56

Nos.	1422	1423	1424	1425	1426	1427	1428	1429	1430	1431	1432
Length, Inches	6¼	6¼	7½	7½	7½	7½	7½			9	9
U. S. S. Bolt, Inches											
Hex. Head Cap Screws, Inches											
Openings, Inches											
Thickness of Heads, Inches											
Each	$0 56	56	75	75	75	75	.75	75	75	1 00	1 00

Nos.	1433	1434	1435	1436	1437	1438	1439	1440	1441	1442	1443
Length, Inches	9	9	9	9	10½	10½	10½	10½	10½	10½	10½
U. S. S. Bolt, Inches											
Hex. Head Cap Screws, Inches											
Openings, Inches											
Thickness of Heads, Inches											
Each	$1 00	1 00	1 00	1 00	1 35	1 35	1 35	1 35	1 35	1 35	1 35

Nos.		1444	1445	1446	1447	1448	1449	1450	1451	1452	1453
Length, Inches		12	12	12	12	12	12	14	14	14	14
U. S. S. Bolt, Inches											
Hex. Head Cap Screws, Inches											
Openings, Inches											
Thickness of Heads, Inches											
Each		$1 90	1 90	1 90	1 90	1 90	1 90	3 20	3 20	3 20	3 20

TEXTILE DOUBLE HEAD.

Finished.

22½ Degree Angle, Drop Forged Steel, Milled Openings.

Nos.	1550	1551	1552	1553	1554	1555	1556	1557	1558	1559	1560	1561
Length, Inches												
U. S. S. Bolt, Inches												
Hex. Head Cap Screws, Inches												
Sq. Head Cap Screws, Inches												
Opening, Inches												
Thickness of Heads, Inches												
Each	$0 28	28	38	38	38	38	.38	38	46	46	46	46

Nos.	1562	1563	1564	1565	1566	1567	1568	1569	1570	1571	1572
Length, Inches											
U. S. S. Bolt, Inches											
Hex. Head Cap Screws, Inches											
Sq. Head Cap Screws, Inches											
Openings, Inches											
Thickness of Heads, Inches											
Each	$0 46	46	46	60	.60	60	60	60	78	78	78

Nos.	1573	1574	1575	1576	1577	1578	1579	1580	1581	1582	1583
Length, Inches											
U. S. S. Bolt, Inches											
Hex. Head Cap Screws, Inches											
Sq. Head Cap Screws, Inches											
Openings, Inches											
Thickness of Heads, Inches											
Each	$0 78	78	1 05	1 05	1 05	1 05	1 05	1 40	1 40	1 40	1 40

WRENCHES

BILLINGS & SPENCER.

CAR DOUBLE HEAD.

Unfinished.

22½ Degree Angle, Drop Forged Steel.

Unfinished Wrenches have Milled Openings. Otherwise are in Forged State.

Nos.	1800	1801	1802	1803	1804	1805	1806
Length, Inches	12	19	20	20	21	21	22
U. S. S. Bolt, Inches	⅜, ½	½, ⅝	⅝, ¾	⅝, ¾	⅝, ¾	¾, ⅞	⅞, 1
Milled Openings, Inches	⅓, ⅜	⅜, 1⅛	1⅛, 1⅜	1⅛, 1⅜	1⅛, 1½	1⅜, 1½	1⅜, 1½
Thickness of Heads, Inches	⅛	⅛	⅛	⅛	⅛	⅛	⅛
Each	$0 55	.95	1.15	1.15	1 35	1 35	1.65

Nos.	1807	1808	1809	1810	1811	1812	1813
Length, Inches	22	23	23	24	24	25	25
U. S. S. Bolt, Inches	⅞, 1	⅞, 1⅛	1, 1¼	1 1¼	1⅛, 1⅛	1⅛, 1½	1⅛, 1½
Milled Openings, Inches	1½, 1⅝	1½, 1⅞	1⅝ 1⅞	1⅞, 2	1⅞, 2⅛	1⅞, 2⅛	2⅛, 2⅛
Thickness of Heads, Inches	⅝	⅝	⅝	⅝	⅝	⅝	¾
Each	$1.65	1 95	1.95	2 25	2.25	3.40	3.40

LIGHT GENERAL SERVICE.

For Automobiles, Carriage Makers and General Use.

A Light, but Strong, Powerful and Well Balanced Wrench.

Drop Forged Steel, Case Hardened, Milled Openings, Finished.

Finished Wrenches have Openings Milled, are Polished All Over, and are Hardened and Treated with a Special Black Finish.

Nos.	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
Length, Inches	6⅛	6⅛	6⅛	7⅛	7⅛	7⅛	7⅛	7⅛	7⅛	7⅛	8⅛	8⅛
U. S. S. Bolt, Inches	....	....	⅜, ½	....	⅜, ⅝	....	....	....	½, ⅝	....	½, ⅝	.
Hex. Head Cap Screws, Inches	⅜, ½	⅜, ⅝	....	⅜, ⅝	....	½, ⅝	½, ⅝	⅝, ⅝	....	⅝, ⅝	....	⅝, ½
Sq. Head Cap Screws, Inches	½, ⅝	½, ⅝	....	½, ⅝	....	⅝, ⅝	⅝, ⅝	⅝, ⅝	....	⅝, ½	⅝, ⅝	⅝, ⅝
Openings, Inches	⅝, ⅞	⅝, ½	½, ⅝	⅝, ⅞	⅝, ⅝	⅝, ⅝	⅝, ⅝	½, ⅝	½, ⅝	½, ½	½, ½	½, ⅝
Thickness of Heads, Inches	⅛	⅛	⅛	⅛	⅛	⅛	⅛	⅛	⅛	⅛	⅛	⅛
Each	$0.38	.38	.38	.47	.47	.47	.47	.47	.47	.47	.58	.58

Nos.	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Length, Inches	8¼	8¼	8¼	8¼	8¼	8¼	8¼	9¼	9¼	9¼	9¼
U. S. S. Bolt, Inches	.	.	.	⅝, ¾	⅝, ⅞	.	.	.	.	.	⅞, ⅞
Hex. Head Cap Screws, Inches	⅜, ⅞	..	⅜, ½	....	....	....	⅞, ⅞	⅞, ⅞	⅞, ⅝	.	
Square Head Cap Screws, Inches	⅞, ½	⅞, ⅞	⅞, ⅝	..	..	⅝, ⅞	½, ⅝		½, ⅝	⅝, ⅝	.
Openings, Inches	⅝, ⅝	⅝, ⅞	⅝, ⅝	⅞, ⅞	⅞, ⅞	⅝, ⅞	⅝, ¾	⅝, ⅞	⅝, ⅞	⅝, ¾	⅞, ⅞
Thickness of Heads, Inches	⅛	⅛	⅛	⅛	⅛	⅛		⅜	⅜	⅜	⅜
Each	$0.58	58	58	58	.58	.58	.58	72	72	72	72

Nos.	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
Length, Inches	9¼	9¼	9¼	9¼	10⅜	10⅜	10⅜	10⅜	10⅜	10⅜	10⅜
U. S. S. Bolt, Inches	.	⅝, ½	.	..		⅞, ⅞	⅞, .		.	.	. .
Hex. Head Cap Screws, Inches	. . .	...	½ ⅝	½, ⅝	½, ¾	.		⅝, ⅝	⅝, ¾		. . .
Square Head Cap Screws, Inches	....	⅝ ¾		⅝, ⅞	. .	..	.	.		..	.
Openings, Inches	⅞, ⅞	⅞, ⅞	¾ ⅞	¾, ⅞	¾ 1	⅞, ⅞	⅞, ⅞	⅞, ⅞	⅞, 1	⅞ ⅞	⅞, ⅞
Thickness of Heads, Inches	⅜	⅜	⅜	⅜	⅜	⅜	⅜	⅜	⅜	⅜	⅜
Each	$0 72	.72	.72	72	90	90	90	90	90	90	90

Nos.	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044
Length, Inches	10⅜	10⅜	12	12	12	12	12	12	12	12	12
U. S. S. Bolt, Inches	⅞, ⅞	.	½, ⅝	.	.	⅞, ⅞	⅞, ¾	. .	. .	⅝, ⅝	. . .
Hex. Head Cap Screws, Inches	....	⅝, ¾	. .	⅝ ⅞	...	...	.	¾ ⅞	¾, 1	..	⅞, 1
Square Head Cap Screws, Inches	.	....	..	⅞ ⅞	..	. .	. .	. .	.		⅞, 1
Openings, Inches	⅞, ⅛	⅞, 1	⅛ 1⅛	⅞, 1⅛	⅛ 1	⅛, 1⅛	⅛, 1¼	1 1⅛	1, 1⅛	1⅛, 1¼	1⅛ 1¼
Thickness of Heads, Inches	⅞	⅛	⅛	½	⅛	¼	½	⅛	⅛	½	½
Each	$0 90	.90	1.30	1 30	1 30	1 30	1 30	1 30	1.30	1 30	1 30

CASKET HANDLES

Silver Plated

Illustrations one half size

No. 144 Casket Handles, plain silver.....per dozen pairs, **$17.00**
One quarter dozen pairs in a box, weight about six pounds

No. 146 Casket Handles, satin rope.....per dozen pairs, **$18.00**
One quarter dozen pairs in a box, weight about six pounds

No. 106 Casket Handles, white finish.....per dozen pairs, **$10.00**
One quarter dozen pairs in a box, weight about four pounds

No. 118 Casket Handles, per dozen pairs.....**$10.00**
One half dozen pairs in a box, weight about six pounds

No. 103 Casket Handles, per dozen pairs.....**$7.00**
One half dozen pairs in a box, weight about six pounds

CASKET HANDLES

Silver Plated

Illustrations one half size

No. 100 Casket Handles, per dozen pairs ... $7.00

No. 102 Casket Handles, per dozen pairs ... $5.00

One half dozen pairs in a ... to 7 pounds

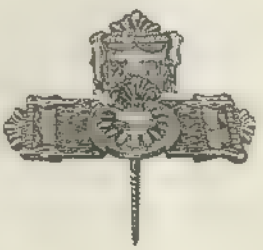
No. 107 Casket Handles, per dozen pairs ... $5.50

... pairs ... eight ... seven pounds

No. 109 Casket Handles, per dozen pairs ... $4.50

... dozen pairs ... eight ... seven pounds

CASKET SETS



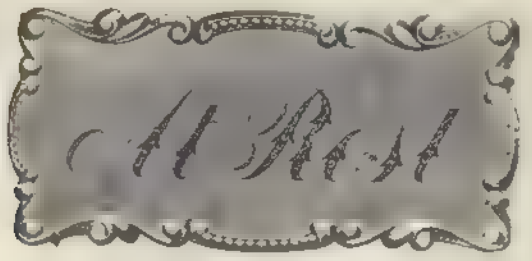
Set No. 6616 Silver plate ... per set $6.50

This set contains 6 handles, 1 name plate, 6 thumb screws, 6 screw plates, 2 cap lifts, handle screws

One set in a box, weight about eight pounds

CASKET SETS

Illustrations one half size



Set No. 1061 Silver plated ..... per set, **$4.50**

This set contains 6 handles, 1 name plate, 6 thumbscrews, 6 screw plates, 2 cap lifts, handle screws.

One set in a box, weight about 6 pounds

Set No. 1001 Silver plated ..... per set, **$3.00**

This set contains 6 handles, 1 name plate, 6 thumbscrews, 6 screw plates, 2 cap lifts, handle screws.

One set in a box, weight about 5 pounds

CASKET SETS

Illustrations one half size

Set No. 1201 Silver plated ..... per set **$2.50**
This set contains 4 handles, 1 name plate, 2 [illegible], 4 thumbscrews, 4 screw plates, handle screews

One set in a box, weight about 4 pounds

Set No. 1021 Silver plated ..... per set, **$2.20**
This set contains 4 handles, 1 name plate, 2 [illegible], 4 thumbscrews, 4 screw plates, handle screews

One set in a box, weight about 3 pounds

COFFIN LACE

No. 145 Coffin Lace, two strands, 7½ yards in a bolt. .
Per bolt **$0.70**

No. 146 Coffin Lace, three strands, 7½ yards in a bolt.
Per bolt **$0.90**

CASKET TRIMMINGS

Silver Plated

THUMB SCREWS AND PLATES

Illustrations one half size

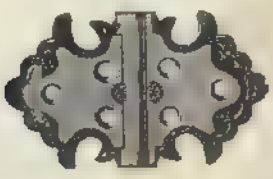
No. 22 Thumb Screws, per gross.. **$7.50**
No. 22 Thumb Plates, per gross . **7.20**
One half gross in a box, weight about 4 pounds

No. 4

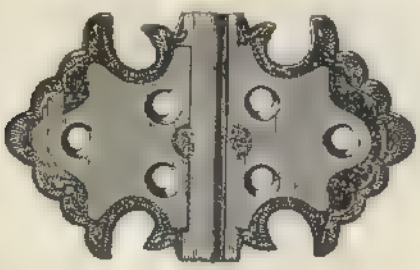
No. 5

No. 4 Thumb Screws, per gross .**$5.50**
No. 4 Thumb Plates, per gross **5.00**
No. 5 Thumb Screws, per gross **5.50**
No. 5 Thumb Plates, per gross **5.00**
One half gross in ... No. 4 weight about 3 pounds
No. 5 about 3 pounds

COFFIN HINGES



No. 4 White metal, per gross..... **$2.50**
No. 4 Silver plated, per gross..... **4.00**
One dozen in a box, weight about 3 pounds



No. 6 White metal, per gross..... .**$3.20**
No. 6 Silver plated, per gross..... **5.00**
One dozen in a box, weight about 5 pounds

COFFIN SCREWS

Illustrations full size

No. 16 No. 34

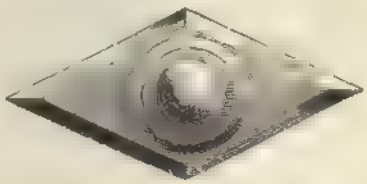
No. 16 ½ inch head, 1⅜ inch screw, per gross... .**$4.00**
No. 34 ⅝ inch head, 1¼ inch screw, per gross . **4.50**
One half gross in a box, weight about 3 pounds

COFFIN STUDS

No. 22

No. 28

No. 22 Coffin Stud, 1⅜ inch, per gross.....**$3.00**
No. 28 Coffin Stud, 1 inch, per gross **3.20**
One gross in a box, weight about 1 pound



No. 25 Coffin Stud, 2 inch, per gross..... .....**$3.20**
One gross in a box, weight about 1½ pounds

COFFIN TACKS

No. 16 No. 34

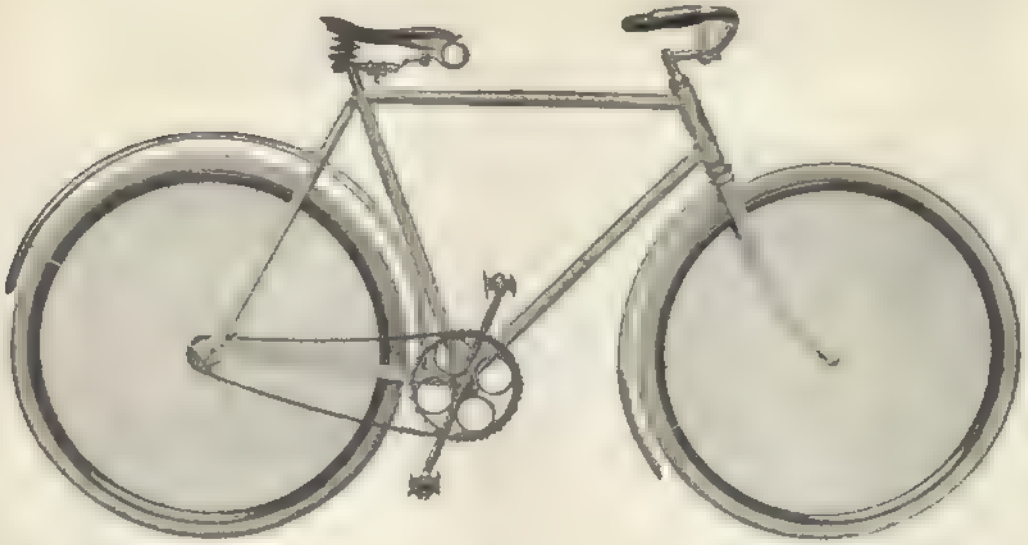
No. 16 Coffin Tacks, ½ inch head, per gross **$2.00**
No. 34 Coffin Tacks, ¾ inch head, per gross..... **2.40**
One gross in a box, weight 3 to 4 pounds

COFFIN LINING TACKS

No. 10 Lining Tack, white metal heads, per gross.....**$0.30**
One gross in a box

BICYCLES

CHEROKEE



General Specifications

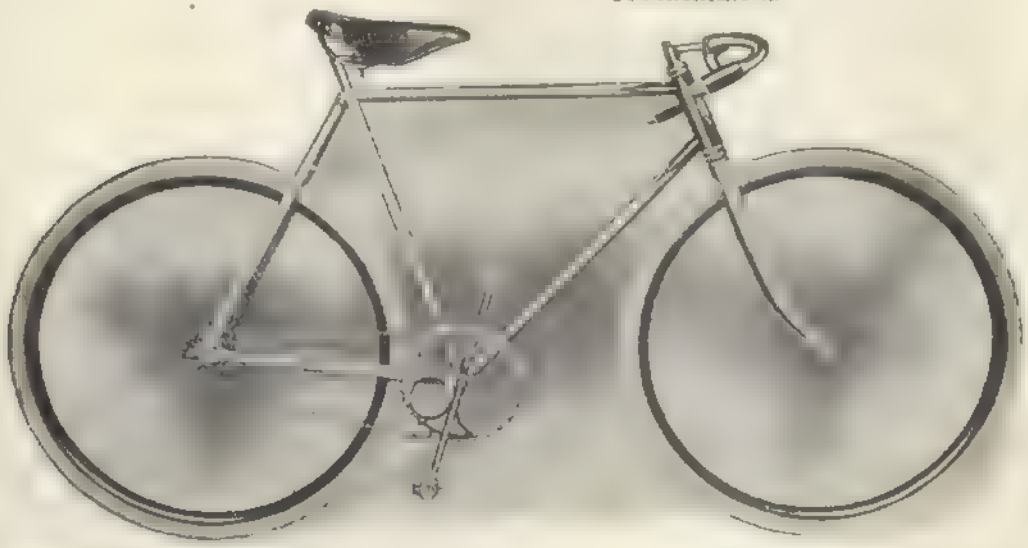
Main diamond of high grade 1 inch seamless steel tubing, 19 gauge. Reinforced flush joint construction. Upper rear stays [illegible] inch tapered to ⅝ inch. Lower rear forks oval 1 inch tapered to ¾ inch straight. Nickel plated three plate fork crown of steel drop forgings with ribbed fork sides which give increased strength and rigidity. Steel cone head bearings [illegible] diameter front and rear hubs. Flush head plugs with ¼ inch balls. Crank hanger [illegible] 28 inch wheel. Wheel base [illegible] inches. Concave barrel hubs turned from the bar with cups an integral part and fitted with ball retainers for ¼ inch balls.

Frame—22 inches.
Rims—Enameled to match frame.
Hanger—One piece.
Cranks—7 inch bayonet shape.
Chain—Perry's twin roller chain, 1 inch pitch.
Gear—84.
Spokes—No. 2 S [illegible] tandard.
Mud Guards—All Cherokee Bicycles equipped with Steel Mud Guards, $2.00 extra.

Saddle—No. A grain leather finely padded and equipped extension spring.
Handle Bars—Extension.
Grips—Wound leather with nickel ferrule.
Pedals—Standard rat trap.
Tool Bag and Tools.

		Each
No. 30	Cherokee Bicycle, gray with green head, single tube tires, weight crated 54 pounds	**$37.50**
No. 40	Cherokee Bicycle, black with gold stripe, single tube tires, weight crated 54 pounds	**37.50**
No. 130	Cherokee Bicycle, gray with green head, Clincher tires, weight crated 55 pounds	**42.50**
No. 140	Cherokee Bicycle, black with gold stripe, Clincher tires, weight crated 55 pounds	**42.50**
Coaster Brake on any of above		**6.50**

CUMBERLAND



General Specifications

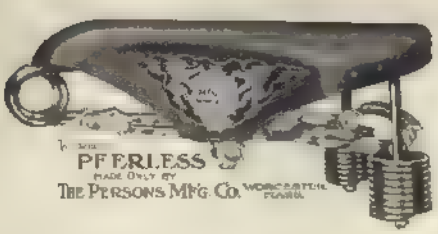
Main diamond [illegible] inch seamless steel tubing 19 gauge. Reinforced flush joint construction. Upper rear stays [illegible] ¾ inch tapered to [illegible] inch. Lower rear forks oval [illegible] inch tapered to [illegible] inch straight. Nickel plated three plate fork crown of special design with ribbed fork sides which [illegible] increased strength and stability. Steel [illegible] head bearings [illegible] cup and cone adjustable. Flush head plugs with [illegible] inch balls. Crank hanger [illegible] 28 inch wheels. Wheel base [illegible] inches. Concave barrel hubs turned from the bar with cups an integral part and fitted with ball retainers for [illegible] inch balls.

Frame—22 inches.
Rims—Enameled to match frame.
Hanger—One piece.
Cranks—7 inch bayonet shape.
Chain—Perry's twin roller chain, 1 inch pitch.
Gear—84.
Spokes—No. 2 Standard.
Mud Guards—All Cumberland Bicycles equipped with Steel Mud Guards, $2.00 extra.

Saddle—No. A grain leather finely padded and equipped truss spring.
Handle Bars—Forward extension.
Grips—Wound leather with plain ferrule.
Pedals—Rat trap.
Tool Bag and Tools.

		Each
No. 10	Cumberland Bicycle, blue with aluminum head, single tube tires, weight crated 45 pounds	**$32.50**
No. 20	Cumberland Bicycle, black with red head, single tube tires, weight crated 45 pounds	**32.50**
No. 110	Cumberland Bicycle, blue with aluminum head, Clincher tires, weight crated 46 pounds	**37.50**
No. 120	Cumberland Bicycle, black with red head, Clincher tires, weight crated 46 pounds	**37.50**
Coaster Brake on any of above		**6.50**

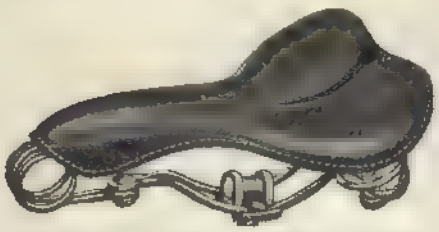
BICYCLE SUPPLIES



Peerless Size of top 11x9½ inches, weight 4½ pounds.
Each $5.00

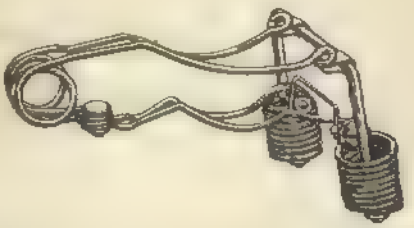
Overland Size of top 10¾x8¾ inches, weight 4½ pounds.
Each $4.50

Apollo Good capacity [illegible] ing, weight 4 pounds.
Each $3.50



Model G, Style 7 Length 10 inches wood base, hard, weight 2¼ pounds
Each $2.00

Model A, Style 1 Steel base, padded, length 9½ inches, weight 1[illegible] pounds.
Each $1.20



Extension Saddle Springs Standard quality and finish, weight 2[illegible] pounds.
Each $1.20

No. 6 Handle Bars, 22x6 inches, full ram's horn bar, drop 6 inches, forward bend 3 inches, weight 2 pounds.
Each $1.20

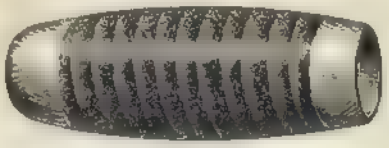
Schinneer top handle bar, width 22 inches, drop 3 inches, forward bend 1¼ inches, weight 1¾ pounds.
Each $0.80

Handle Bar Stems Regular, weight 10 ounces.
Each $0.60
Extension, weight 12 ounces
Each $0.60

Seat Post Plain, weight 14 ounces.
Each $0.75

HANDLE BAR GRIPS

Cherokee Rubber Diamond Grip, motorcycle pattern, will fit any bicycle handle bar, weight per dozen pairs 12 pounds.
Per pair $0.80



No. 68 Wood Core, wound leather center, weight per dozen pairs 1¾ pounds.
Per dozen pairs $1.20

No. 4 Wood Core, grain leather center weight per dozen pairs 1¾ pounds
Per dozen pairs $3.00

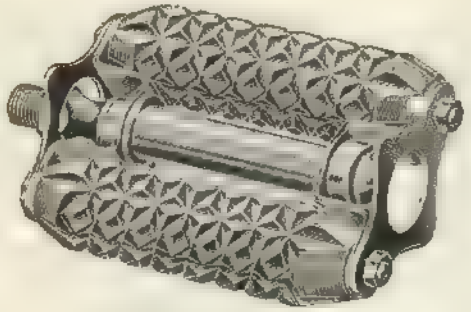
No. 75 Wood Core, wound leather center, one end nickel plated, weight per dozen pairs 1¾ pounds
Per dozen pairs $1.70

Cumberland Corrugated rubber center with nickel ferrule, weight per dozen pairs 4½ pounds
Per dozen pairs $4.80

One dozen pairs in a box

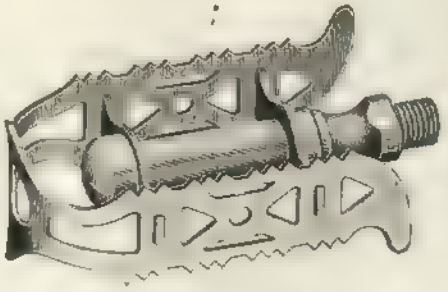
BICYCLE PARTS

PEDALS



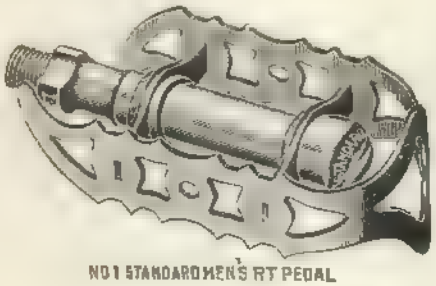
"NO.3 PIRATE PEDAL"

Cherokee Solid rubber, nickel plated steel, ball bearing at both ends, dust proof cap, weight per pair 2 pounds, Per pair **$1.75**



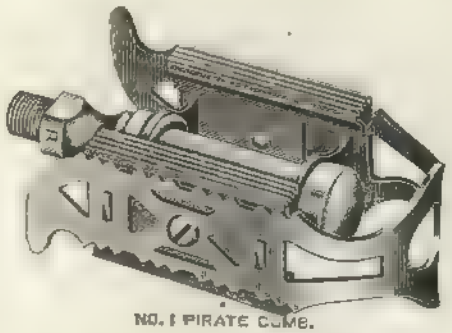
NO 1 PIRATE R.T. PEDAL

No. 1 Regular Rat Trap, nickel plated steel, ball bearings, weight per pair 14 ounces, per pair..... **$0.80**



NO 1 STANDARD MEN'S RT PEDAL

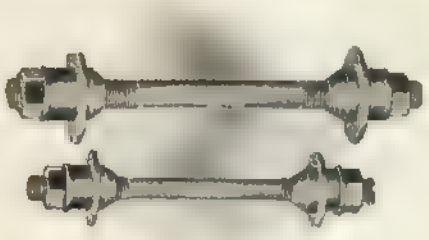
No. 1 Standard Rat Trap, nickel plated steel, ball bearings at both ends, weight per pair 15 ounces, per pair.. **$1.20**



NO. 1 PIRATE COMB.

No. 1 Combination, nickel plated steel frame with rubber treads, ball bearings, weight per pair 14 ounces Per pair **$1 50**

AXLE SETS



Front Axle Sets, weight 3 ounces Per dozen **$2 40**

Rear Axle Sets, weight 5 ounces, Per dozen **2.40**

HUBS

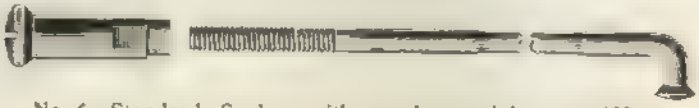
Front Concave Hub, nickel plated, weight 7 ounces, each..... **$1.00**

Rear Concave Hub, nickel plated, weight about 16 ounces, each... **$2.00**

SPROCKET CHAINS

Perry Roller Chain, ½ inch, 60 links, 1 inch pitch weight 24 ounces, each... **$1.75**

BICYCLE SPOKES

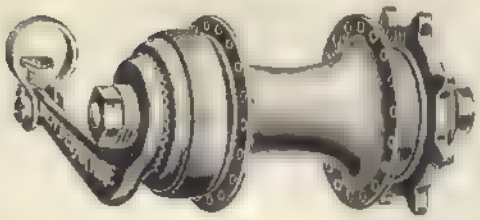


No. 6 Standard Spokes with nipples, weight per 100 about 2 pounds, per 100... ..... **$2.00**

100 in a box

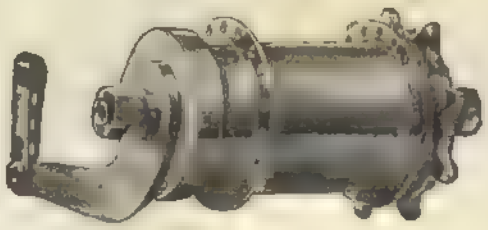
COASTER BRAKES

NEW DEPARTURE



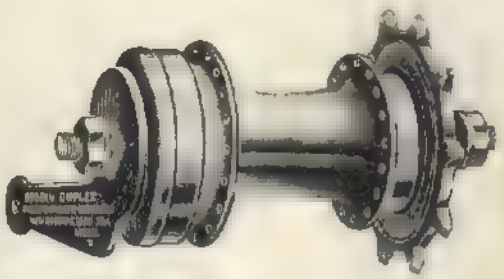
New Departure, high grade steel nickel plated and polished, guaranteed by the manufacturers, weight each 2¼ pounds, each.....$6.50

MORROW



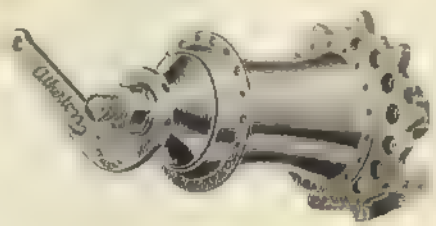
Morow, nickel plated and highly polished, weight each 2⅝ pounds, each.....$6.50

CORBIN



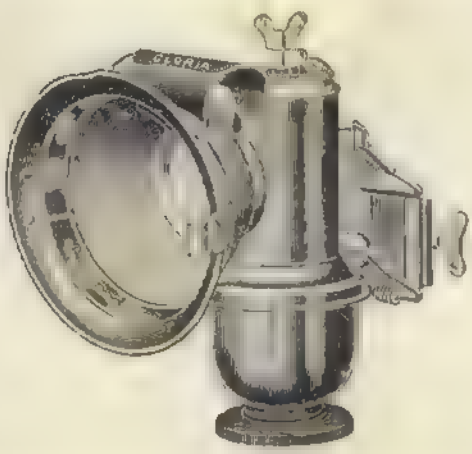
Corbin, high grade steel nickel plated and polished, weight each 3 pounds, each.....$6.50

ATHERTON

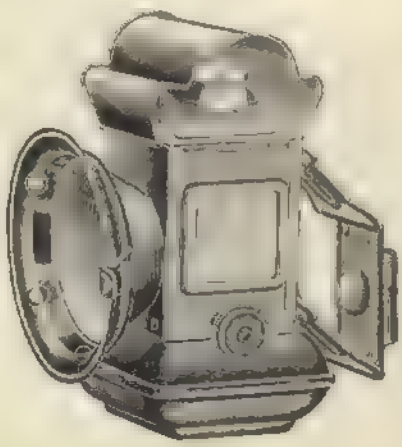


Atherton, positive drive, reliable and sure in action, weight each 2½ pounds, each.....$6.50

BICYCLE LAMPS

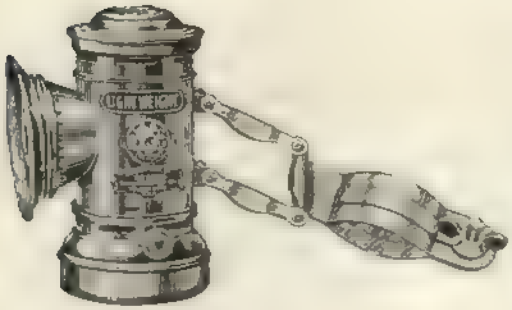


Gloria Gas Lamp, the cartridge chamber holds a charge sufficient to last 6 to 8 hours, weight 3 ounces
Each.....$1.80



Staylit Oil Lamp, extra large front lenses, a supply of oil for 6 to 8 hours, weight 8 ounces, height 5 inches
Each.....$1.25

BICYCLE LAMPS AND BRACKETS

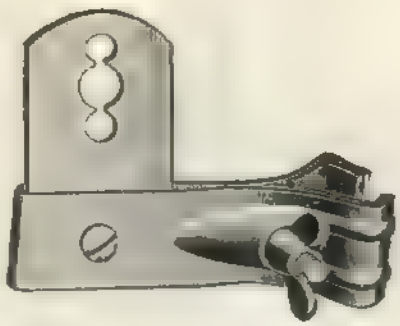


Light-weight Oil Lamp, made of sheet steel, nickel plated and polished, will burn about 10 hours, weight 1 pound

Each . . . $1.80

[illegible] Bracket, heavy [illegible] with thumb screw, felt lined clamp, nickel plated, weight [illegible] pounds

Per dozen ... $1.50



Fork Bracket, can be used on either side, felt lined clamp with thumb screw, weight per dozen 2 pounds.

Per dozen $1.50

BICYCLE BELLS

No. 39 National, 2⅛ inch screw clamp, electric stroke, nickel finish with design enameled in colors, weight per dozen 4 pounds

Per dozen . . $4.50

No. 37 Century, 2⅛ inch screw clamp electric stroke, nickel finish with design enameled in colors, weight per dozen 4 pounds.

Per dozen $4.50

No. 047 Frog, 2 inch gong, screw clamp, nickel finish with design in green enamel, weight per dozen 3½ pounds.

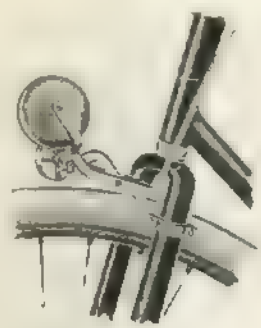
Per dozen .. . $4.50

No. 810 1¾ inch gong, electric stroke, nickel finish, weight per dozen 3 pounds

Per dozen $2.40

No. 710 2 inch gong, electric stroke, nickel finish, weight per dozen 3½ pounds.

Per dozen $2.40



Sandow Siren, has the appearance and produces the sound of a large tire bell, weight per dozen 9 pounds.

Each .$1.00

TELESCOPES

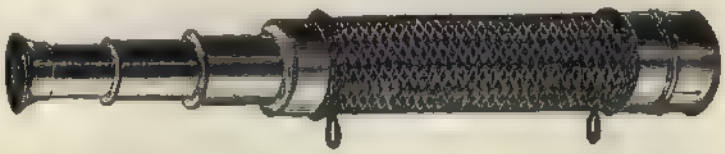
Illustrations Are Reduced size. Prices Each.

No. 1800 Morocco covered body, polished brass slides and ends with cap and sliding eye-piece cover. Each

10 lignes, 3 draw, length closed, 4½ in., length drawn out 13½ in., magnifying power 10 diameters, diameter of body 1 in. $ 4 40
12 lignes, 3 draw, length closed, 5½ in., length drawn out, 16½ in., magnifying power, 12 diameters, diameter of body, 1⅜ in. 5 00
14 lignes, 3 draw, length closed, 6¼ in.; length drawn out, 17 in.; magnifying power, 16 diameters; diameter of body, 1⅝ in.. 6.30
16 lignes, 3 draw, length closed, 8 in.; length drawn out, 23 in., magnifying power, 20 diameters, diameter of body, 1⅞ in . 8 80
19 lignes, 3 draw, length closed, 9¾ in., length drawn out, 29¼ in., magnifying power, 25 diameters, diameter of body, 1⅞ in . 11 50

No. 1801 Same as No. 1800, except that all metal parts are finished with dull black japanned finish. Each

10 lignes; 3 draw; length closed, 4½ in., length drawn out, 13½ in., magnifying power, 10 diameters, diameter of body, 1 in $ 5 90
12 lignes, 3 draw, length closed, 5½ in., length drawn out, 16½ in., magnifying power, 12 diameters, diameter of body 1⅜ in. 6.45
14 lignes, 3 draw; length closed 6¼ in., length drawn out 17 in., magnifying power, 16 diameters, diameter of body, 1⅝ in 7.65
16 lignes, 3 draw, length closed, 8 in.; length drawn out, 23 in., magnifying power, 20 diameters, diameter of body, 1⅞ in.. 10.40
19 lignes, 3 draw, length closed, 9¾ in., length drawn out, 29¼ in., magnifying power, 25 diameters, diameter of body, 1⅞ in.. 13.10



No. 1802 Braided twine cover to body, polished brass slides and ends, with cap and sliding eye-piece cover. Each

10 lignes, 3 draw, length closed, 4½ in., length drawn out 13½ in., magnifying power, 10 diameters, diameter of body, 1 in..$ 5 15
12 lignes, 3 draw, length closed, 5½ in., length drawn out, 16½ in., magnifying power, 12 diameters, diameter of body, 1⅜ in.. 5 75
14 lignes, 3 draw, length closed, 6¼ in., length drawn out 17 in., magnifying power, 16 diameters, diameter of body, 1⅝ in.. 7 10
16 lignes, 3 draw, length closed, 8 in., length drawn out 23 in., magnifying power 20 diameters, diameter of body, 1⅞ in.. 9 55
19 lignes, 3 draw; length closed, 9¾ in., length drawn out, 29¼ in., magnifying power 25 diameters, diameter of body, 1⅞ in.. 12.20

No. 1805 Morocco covered body, polished brass slides, ends and sun shade, with cap and sliding eye-piece cover. Each

12 lignes, 3 draw, length closed 5¼ in., length drawn out 16½ in., magnifying power 14 diameters, diameter of body, 1¼ in..$ 5 90
14 lignes 3 draw length closed, 6¼ in., length drawn out 18 in., magnifying power, 16 diameters, diameter of body, 1⅜ in . 7 45
16 lignes 3 draw, length closed, 8 in., length drawn out 23 in., magnifying power 20 diameters, diameter of body, 1¾ in . 10 30
19 lignes 4 draw, length closed, 9¾ in., length drawn out 29½ in., magnifying power 25 diameters, diameter of body, 2 in . 13 20
22 lignes 4 draw, length closed, 10½ in., length drawn out 30½ in., magnifying power 30 diameters, diameter of body, 2⅛ in . 22 00
22 lignes with extra eye piece for astronomical work giving magnifying power 50 diameters, diameter of body, 2⅛ in. 29 35

No. 1819 Extra quality morocco covered body, polished brass slides, with nickel-plated caps over the ends. Each

10 lignes 3 draw length closed 5¼ in., length drawn out, 13½ in., magnifying power, 10 diameters, diameter of body, 1 in..$ 7 20
12 lignes, 3 draw length closed 6¼ in., length drawn out, 16½ in., magnifying power, 12 diameters, diameter of body 1⅜ in.. 8 00
14 lignes, 3 draw, length closed, 7 in., length drawn out, 18 in., magnifying power, 16 diameters, diameter of body, 1⅜ in . 9 70

No. 1825

No. 1825 "Rifle Range" telescope with caps and straps 4 draws, warranted to show in a clear atmosphere a bullet mark at 1,000 yards Each

22 lignes, 4 draw, length closed 11 in., length drawn out, 36 in., magnifying power, 33 diameters, diameter of body, 2¼ in.....$47 00

No. 1825-A "Rifle Range" telescope. Each

22 lignes with extra eye-piece for astronomical work giving magnifying power 50 diameters; diameter of body, 2¼ in..... 59.40

BALLAND FIELD GLASSES

Illustrations Are Reduced Size. Prices Each.

In our Balland Field Glasses introduced by us to the American market some eight years ago, and wonderfully successful since then, we have a glass of intrinsic value, sold upon its merits

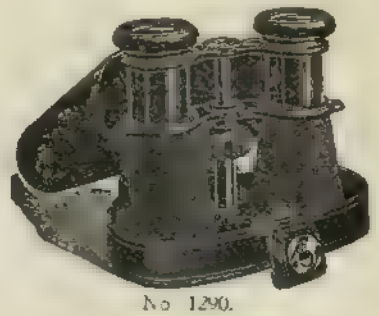
The feature of a good glass, backed by a firm having a reputation for handling only the best of goods, combined with a medium selling price, is important to the merchant

Most of our customers are now well acquainted with the exceptional value and wearing qualities of this make, and to them we would say that we intend always to keep up the same high standard of this glass; and from those who have not stocked and sold them we would solicit a trial, never knowing that they will give such goods satisfaction as to warrant carrying a stock of them

BALLAND FIELD GLASS These glasses are made specially for us, according to our own designs, and we confidently believe that they are the best field glasses on the market today. Sole leather case and strap with each glass.

No. 4107.

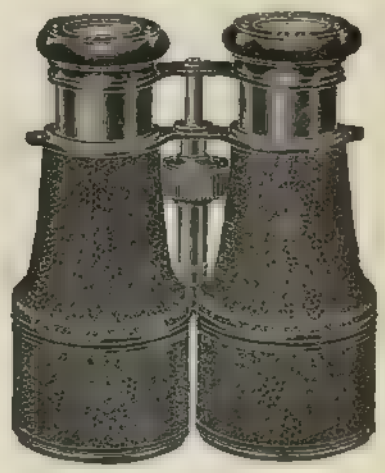
No. 1203



No. 1290.

No. 1201.

No. 1220



No. 1231.

No. 1220 Black morocco leather, metal bright black bars and tubes; length closed, 5¼ in.; length extended, 6 [illegible] in 6 lenses; power, 4⅛ diameters, 21 lignes..... Each, $24.20

Black morocco leather, metal bright black bars and tubes, length closed, 6 in., length extended, 7¼ in., 6 lenses, power, 4½ diameters, 24 lignes..... Each, 25.70

Black morocco leather; metal bright black bars and tubes; length closed, 6¼ in., length extended, 7½ in., 6 lenses, power, 4½ diameters; 26 lignes..... Each, 27.15

No. 1231 Black morocco leather; metal bright black with sun shade bars and tubes; length closed, 4¾ in.; length extended, 5¾ in.; 6 lenses power, 4 diameters; 19 lignes... Each, 17.60

Black morocco leather; metal bright black with sun shade bars and tubes, length closed, 5 in., length extended, 6 in., 6 lenses power, 4½ diameters; 21 lignes..... Each, 21.30

Black morocco leather; metal bright black with sun shade bars and tubes; length closed, 6 in., length extended 7 in., 6 lenses; power, 5 diameters; 24 lignes..... Each, 24.20

Black morocco leather, metal bright black with sun shade bars and tubes; lenses closed 6 in., length extended 7 in.; 6 lenses, power, 5 diameters; 26 lignes..... Each, 27.60

No. 1201 Black morocco leather; metal bright black bars and tubes; length closed, 4⅛ in.; length extended, 5½ in.; 6 lenses; power, 5 diameters, 19 lignes..... Each, 22.00

Black morocco leather; metal bright black bars and tubes; length closed, 5 in., length extended 6 in., 6 lenses, power, 5 diameters; 21 lignes..... Each, 25.00

Black morocco leather, metal bright black bars and tubes; length closed, 6 in.; length extended, 7¼ in.; 6 lenses power, 6 diameters; 24 lignes..... Each, 27.60

Black morocco leather; metal bright black bars and tubes length closed, 6¼ in.; length extended, 7¼ in., 6 lenses, power, 6½ diameters; 26 lignes..... Each, 31.50

No. 1290 Black morocco leather; metal oxidized jointed bars; length closed, 3½ in.; length extended, 4 in., 6 lenses power, 3 diameters, 19 lignes..... Each, 27.00

No. 4107 Black morocco leather; metal bright black bars, oxidized tubes; length closed, 3¾ in.; length extended, 4 in., 6 lenses, power 3 diameters; 19 lignes..... Each, 14.00

No. 1203 Yellow pearl leather; metal bright black bars and tubes; length closed, 4 in.; length extended, 5 in., 6 lenses, power, 5 and 3½ diameters; 21 lignes..... Each, 47.00

This glass is compact with long tubes and has 2 sets of eye-piece lenses that can be changed for day and night use.

No. 1204 Black morocco leather; metal bars oxidized bars and tubes; length closed, 5 in.; length extended, 6¼ in.; 6 lenses; power, 7 and 5 diameters; 24 lignes..... Each, 44.00

This glass is same as No. 1203 except longer shape and different leather. It is also a day and night glass

VEST POCKET OPERA GLASSES AND PRISM BINOCULARS

PRICES EACH.

Finest Goods on the Market. None Better.

THE "WINETT" VEST POCKET OPERA GLASS.

This glass is the handiest glass ever designed for pocket use Mounting is Aluminum and focusing tubes are nickel, tubes black leather covered. Closed, 2½ inches wide, 1¾ inches high. Weighs 4 ounces.

Each

Well finished and adjustable, as shown, for pupillary distance..$24.25

The Winett. (Cut Exact Size.)

VEST POCKET OPERA GLASSES.

No 4701
(Cut Exact Size.)

DESCRIPTION.

No. 4701.	Black leather covered, gilt trimming 8 ligne .	Each $ 7 50
No. 4702.	Green leather covered, gilt trimming, 8 ligne	Each 12 00
No. 4704	Brown leather covered, gilt trimming 8 ligne. .	Each. 12 00
No. 4705	Red leather covered, gilt trimming 8 ligne .	Each. 12 00
No. 4706	White pearl covered, gilt trimming, 8 ligne . .	Each. 16 25
No. 4707	Same as No. 4706, with handle, 8 ligne.	Each. 28 00
No. 4721	Black leather, same as No. 4701, with handle 8 ligne	Each. 14 75

PRISM BINOCULARS.

All Adjustable for Pupillary Distance and with Focusing Attachment

Prism Binoculars are now almost too well known to need any special mention or explanation. It would seem sufficient to call attention to the fact that by the use of prisms in these glasses the rays of light are so bent upon themselves that it is possible to obtain the magnification given by the telescope in the compass of an ordinary opera glass by the use of powerful eye-pieces, which could not be used in such a glass were it not for the action of the prisms. They have an extremely large, and almost faultlessly flat field of view, nine or ten times as great as the ordinary binocular

One of the greatest disadvantages of using a field or opera glass has hitherto been the necessity for focusing on every object looked at. The act of focusing makes it impossible to hold the glass steadily, and the focusing apparatus adds to the weight and clumsiness of the glass. With the Prism Binoculars it is only necessary to find the proper focus for the eyes of the user once, and then the glass is focused for all objects at all distances.

(Cut Reduced Size.)

DUBOIS MAKE.

We have no hesitation in recommending this glass to our customers as a thoroughly reliable glass built with the greatest care and as the very best value that can be offered. All are supplied with the Black Sole Leather Carrying Case and Strap.

DESCRIPTION.

No. 4011	Magnifying power, 6.	For general field use	Each, $60.00
No. 4012	Magnifying power, 8	Standard for general field use . . .	Each, 60.00
No. 4013	Magnifying power 10	Marine glass and for great distances. . . .	Each, 72.00
No. 4015	Magnifying power, 8.	Special Standard Dubois Glass with Stereoscopic effect	Each, 72.00

Cut Reduced Size

BAUSCH & LOMB-ZEISS STEREO.

This make of glass is so well known as not to need any special description. It has a special construction giving a very wide field of vision. All are supplied with Black Sole Leather Carrying Case and Strap.

DESCRIPTION

Magnifying power,	3	For Theatre use.	Each, $ 96 00
Magnifying power	5	Night Marine Glass and for bird study	Each 158 50
Magnifying power, 6-21.		General field work (21 mm Diam objective) .	Each, 96 00
Magnifying power, 6-30.		Night Marine Glass (30 mm. Diam objective)	Each, 144 00
Magnifying power, 8-21.		General field work 21 mm Diam objective	Each, 96 00
Magnifying power, 8-25		Standard for general field work 25 mm Diameter objective	Each, 120 00
Magnifying power,	12.	For experienced military and navigation uses and as a day marine glass.	Each, 168.00

THE CELEBRATED LEMAIRE AND POPULAR DuBOIS FIELD GLASSES

No. 1100.

No. 1216.

ILLUSTRATIONS ARE REDUCED SIZE.

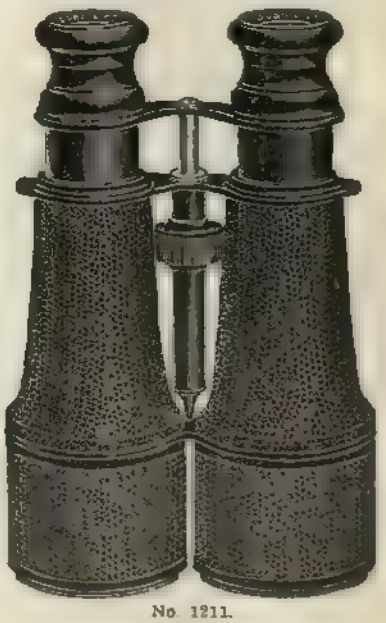
PRICES EACH.

Sole Leather Case and Strap With Each Glass.

No. 1217.

Do Not Contemplate Viewing Nature's Wonderful Scenic Productions Without the Accompanying of One of these Field Glasses. Without One the Trip Cannot Be Enjoyable or a Success.

No. 1113.



No. 1211.

CELEBRATED LEMAIRE MAKE.

Description.

No. 1100 Black morocco leather. Metal bright black finish bars and tubes. Length closed 4⅝ inches. Length extended 6 inches. 6 lenses. Power, 5 diameters. 18 ligne. ..... Each, $28.85

Black morocco leather. Metal bright black finish bars and tubes. Length closed 5¼ inches. Length extended 6½ inches. 6 lenses. Power 6¼ diameters. 21 ligne. ..... Each, 31 30

Black morocco leather. Metal bright black finish bars and tubes. Length closed 5⅝ inches. Length extended 7⅛ inches. 6 lenses. Power, 5⅝ diameters. 24 ligne. ..... Each, 36.50

Black morocco leather. Metal bright black finish bars and tubes. Length closed 6¼ inches. Length extended 7⅝ inches. 6 lenses. Power, 6 diameters. 26 ligne. ..... Each, 39 60

No. 1100B Black morocco leather. Metal bright black finish bars and tubes. Length closed 5¼ inches. Length extended 6½ inches. 12 lenses. Power, 5½ diameters. 21 ligne. ..... Each, 42 80

Black morocco leather. Metal bright black finish bars and tubes. Length closed 5¾ inches. Length extended 7⅛ inches. 12 lenses. Power, 6 diameters. 24 ligne. ..... Each, 50.80

Black morocco leather. Metal bright black finish bars and tubes. Length closed 6⅛ inches. Length extended 7⅝ inches. 12 lenses. Power, 7 diameters. 26 ligne. ..... Each, 55 70

No. 1113 Black morocco leather. Aluminum black japanned bars and tops and polished tubes. Length closed 4½ inches. Length extended 5⅛ inches. 6 lenses. Power 5¼ diameters. 24 ligne ..... Each, 63 50

Black morocco leather. Aluminum black japanned bars and tops and polished tubes. Length closed 5 inches. Length extended 6⅜ inches. 6 lenses. Power, 6 diameters. 26 ligne ..... Each, 68 10

No. 1113B Black morocco leather. Aluminum black japanned bars and tops and polished tubes. Length closed 4 inches. Length extended 5 inches. 12 lenses. Power 5 diameters. 21 ligne ..... Each, 65 65

Black morocco leather. Aluminum black japanned bars and tops and polished tubes. Length closed 4½ inches. Length extended 5½ inches. 12 lenses. Power 6¼ diameters. 24 ligne ..... Each, 77.75

POPULAR DuBOIS MAKE

A Glass of unusual power which we offer to the trade as the best regular style field glass that can be obtained.

Description.

No. 1211 U. S. Army Glass. A glass with a short body and long draw tubes that is made to give the highest power with greatest compactness. They have a patent adjustment that keeps them in continual focus for the user. Black morocco leather. Metal black oxidized bars and tubes. Length closed 6⅛ inches. Length extended 8⅛ inches. 6 lenses. Power, 7 diameters. 24 ligne ..... Each, $54 70

Black morocco leather. Metal black oxidized bars and tubes. Length closed 7 inches. Length extended 9 inches. 6 lenses. Power, 7½ diameters. 26 ligne ..... Each, 63 10

No. 1216 U. S. Cavalry Glass. A glass with a short body and long draw tubes that is made to give the highest power with greatest compactness. They have a patent adjustment that keeps them in continual focus for the user. Black morocco leather. Metal dull black finish bars and tubes. Length closed 5 inches. Length extended 7 inches. 6 lenses. Power, 6 diameters. 21 ligne. ..... Each, 39 60

Black morocco leather. Metal dull black finish bars and tubes. Length closed 5¼ inches. Length extended 7 inches. 6 lenses. Power, 7 diameters. 24 ligne. ..... Each, 48 40

Miscellaneous Make—Prices Low and Satisfaction Assured.

No. 1217 This glass is of good quality and has a patent adjustment which keeps it in continual focus for the user, and sunshades. Black leather. Metal bright black finish bars and tubes. Length closed 4⅜ inches. Length extended 7 inches. 6 lenses. Power, 4 diameters. 18 ligne. ..... Each, $23 00

Black leather. Metal bright black finish bars and tubes. Length closed 5¼ inches. Length extended 7⅜ inches. 6 lenses. Power, 4½ diameters. 21 ligne. ..... Each, 37 15

No. 1202 Jena Special—a special High Power Tourist glass with rapid adjustment. Especially light and compact. Black leather. Polished aluminum bars and tubes. Length closed 3⅜ inches. Length extended 5 inches. 6 lenses. Power, 7 diameters. 15 ligne ..... Each, 39.60

PRISM BINOCULARS CONTINUED. Prices Each.

Illustrations Are Reduced Size.

Read Interesting Note With Reference to These Binoculars on Preceding Page.

The Busch Prism Binoculars are characterized by their simple, rigid construction and superior optical qualities. Their illumination, field of view and definition are unexcelled and consequently have been adopted by the United States Government.

All glasses listed below are finished in dull black, bodies covered with black leather, and are contained in heavy sole leather carrying cases.

No. 6060

DIRECTIONS FOR USE OF BINOCULARS.

The **ADJUSTMENT FOR FOCUS** is similar to the ordinary opera glass. The right eye-piece also has a separate adjustment to provide for any difference in the observer's eyes. The simplest plan is to close the right eye and focus on some distant sharply-defined object, using the left eye only. If the right eye is not in focus, the eyes are of unequal strength. This can be corrected by adjusting the right eye-piece until the vision is the same as the left. For normal eyes the right eye-piece should be at zero.

The **ADJUSTMENT FOR EYE DISTANCE** is made by simply bending the hinged cross-bars while looking at the sky or some distant object. When correctly found, the two fields will blend into one, with a round, clearly defined margin. If incorrectly adjusted, the field will be seen in two separate rings. The washer on the upper bar above the hinge is engraved to indicate the pupillary distance in millimeters.

The cleaning of the lenses is best done with a silk handkerchief or a soft clean chamois, without unscrewing the glass or disturbing its optical adjustment.

When the glass has been properly set for Focus and Eye-Distance it may be left in this position without changing the adjustment in any particular, as the case holds the glass in any position.

THE BUSCH TERFLUX BINOCULARS.

No. 6082 Magnifying power 9, black, 36½ mm. object glass.....Each, $141.00
No. 6084 Magnifying power 12, black, 36½ mm. object glass.....Each, 146.75

Those who prefer a glass possessing less bulk and weight than the U. S. Army and Navy Model quoted below, but of a lower or slightly higher magnification, will find the above two glasses quoted admirably adapted for their requirements.

THE BUSCH TERFLUX BINOCULARS.

No. 6060 Magnifying power 10, black, 46½ mm. object glass ..... Each, $158.50

This model is known as the U. S. Army and Navy Model, which produces the broadest field and the largest illumination consistent with a given power of 10 diameters.

THE BUSCH STEREO-LYNKOP BINOCULARS.

No. 6076 Magnifying power 8, black, 20 mm. object glass .....Each, $88.00
No. 6078 Magnifying power 12, black, 20 mm. object glass .....Each, 88.00

The lenses of the Stereo Binoculars, being placed farther apart than the eyes, all objects are brought into higher relief and their actual distances, in relation to one another, are made more evident to the observer. This feature of such a glass as the Stereo-Lynkop has therefore its practical value to the hunter, the yachtsman, and the architect as well as to the tourist.

THE BUSCH STEREO-ULTRALUX BINOCULARS.

No. 6040 Magnifying power 6, black, 25 mm. object glass.....Each, $100.00
No. 6042 Magnifying power 8, black, 25 mm. object glass.....Each, 100.00

This glass is built on the same model as the Busch Stereo-Lynkop, but has object glasses of 25 mm. diameter, allowing almost twice the light of a 20 mm. object glass to reach the eye. This advantage will be particularly appreciated under adverse weather conditions.

No. 6040

LE MAIRE BINOCULARS—STEREO MODEL

These are manufactured by the famous Le Maire factory, whose ability to furnish high-grade instruments is unquestioned. The Le Maire make need no introduction whatever—they are known to all.

No. 1070 Magnifying power 8, 26 mm. object glass.....Each, $ 90.00
No. 1071 Magnifying power 10, 26 mm. object glass.....Each, 119.00
No. 1072 Combination glass with three different powers, changed by simply turning eye-piece. Powers 6, 8 and 10 diameters, giving advantage of day, night and marine glass all in one, object glass 26 mm.....Each, 166.50

Newest goods on the market. We carry the most complete stock of Prism Binoculars in the entire West. Considering quality, we undersell all others. Pleasing satisfaction assured. Why not Make your sweetheart, wife, sister or brother happy with so appropriate a gift? All orders filled promptly—no delay.

No. 1070—8 Power

WESTLEY-RICHARDS GUNS

"HIGHEST" QUALITY

For beauty of design and artistic workmanship this model stands in a class by itself—a masterpiece of modern gunnery.

A customer writes:—"It is the most beautiful weapon—that is, artistically—that I have ever seen. For quiet elegance, and for a gun beautiful in its richness, it surpasses any other that I have inspected."

No. **H.** With patent one-trigger mechanism and hand-detachable locks. Elaborately and artistically carved and engraved with game subjects.....Net **$595.00**
If with Whitworth steel barrels. Extra.....Net **40.25**
Extra pair of detachable locks to interchange, in leather case. Extra. Net **47.25**

WESTLEY-RICHARDS SINGLE BARREL TRAP GUNS

This is the gun that has become so popular among the discriminating marksmen and is the standard by which other high-grade trap guns are judged. Owing to its perfect balance, beauty of design and reliability under heavy shooting it is the first choice of all who have handled this really remarkable gun. It "goes to the shoulder" naturally, points easily and with its special choke boring makes unsurpassed killing patterns.

Top lever hammerless action, with or without automatic safety slide, extra long and thick fore-end, with an extra steadying loop, straight hand, half-pistol or full pistol grip. The elevated ventilated rib presents a level surface of aim which obviates the objection of the sloping barrel usually adopted in single barrel construction and eliminates the mirage caused by the heating of the barrel. Bends and weights as desired. Regular lengths of barrels 30 and 32 inches; 34 inch barrels $10.00 extra.

No. **A1.** Double bolt, engraved frame, non-ejector.....**$132.00**
No. **B1.** Treble bite, beautifully engraved, automatic ejector..... **175.00**
No. **C1.** Special finish and engraving, treble bite, automatic ejector.... **245.00**

EXTRAS Rubber Anti-recoil heelplate.....$ 7.00 Check Pad.....$ 5.25
34 inch Barrel extra.....10.00

Delivery Prepaid in U. S. if Cash is Sent with Order at Above Prices

WESTLEY-RICHARDS GUNS

Single Trigger Models

The well-known skill, thoroughness and care which characterize the Westley-Richards Gun is bestowed upon every detail of construction and finish in these models. Barrels supplied full or modified choke or cylinder bore, 24 to 32 inches long, straight or half pistol grip, weight to suit individual requirements.

"SPECIAL" QUALITY

Westley-Richards' Hammerless Ejector Gun, with patent hand-detachable locks and reliable one-trigger mechanism. Westley-Richards' special steel barrels, finely bored, either cylinder and choke or both choke to order, any length from 24 inch to 32 inch. Westley Richards' top fastening and double under grips. Best figured walnut stock with artistic chequering, straight or half-pistol grip, press down rod or Deeley-Edge fore-end catch, covered with beautiful engraving, guaranteed perfect in every detail. Wide engine-turned rib.

No. S. 12, 16 or 20 gauge ..... Net **$329.00**
If with Whitworth steel barrels, Extra ..... " **45.50**
Extra pair detachable locks to interchange (in leather case) ..... " **47.25**

"BEST" QUALITY

Hand made by the most skillful workmen in Westley Richards' factory and embodying the best features known to the art of gun making. The engraving is finely and tastefully executed and the pattern may be modified or changed to suit individual taste. Westley-Richards special steel or Damascus barrels of the highest pattern and penetration. This grade can be furnished in 12, 16, 20 or 28 gauge.

No. B. With ejector, detachable locks and one trigger ..... Net **$441.00**
If with Whitworth steel barrel. Extra ..... " **40.25**
Extra pair of interchangeable detachable locks (in leather case) Extra " **47.25**

Delivery Prepaid in U. S. if Cash is Sent with Order at Above Prices

WESTLEY-RICHARDS ENGLISH GUNS

Westley-Richards' guns are hand made throughout; no two guns are just alike, each gun has an individuality of its own, which can only be contributed by the bestowal of personal skill and trained craftsmanship—by which means alone the high standard of excellence of workmanship, which distinguished the products of the ancient Guilds was assured—and no machine ever made can give these and other desirable qualities of the English hand made weapon.

As the prices increase, in like proportion do the quality of materials and the refinement in finish of each part follow. The lowest priced weapon is a well constructed, reliable shooting gun that any sportsman may be proud to own, but it is not of such good quality and fine workmanship as the higher priced weapons, which, besides being the finest shooting guns it is possible to produce, are through their workmanship, external beauty and intrinsic merit, works of art, standing in a class by themselves, each one a masterpiece of modern gunnery.

A large assortment is carried in stock in New York or specifications will be forwarded to England for prompt execution. The most popular designs are described on the following pages, but details may be altered to conform with the purchaser's ideas.

Hand Detachable Locks

The invention enables sportsmen to take out the locks of their guns for cleaning and oiling without moving a single pin. Simply detach fore-end and bottom plate and the locks can be lifted out by hand and as easily replaced. Extra pairs of locks are supplied to interchange with those fitted in the gun, enabling a sportsman, if so disposed, to have an extra pair of locks to interchange in the event of a possible accident to the locks of his gun, and also to have an extra pair of locks with a different weight of pull. Price of duplicate locks in leather case.....**$47.25**

The Westley-Richards New Patent Improved Reliable One-Trigger Mechanism

Westley-Richards & Company are the pioneers of a successful one-trigger mechanism; one that does not balk nor double; one that is not frictional; cannot be upset by recoil; is always perfect, and always acts the same. The latest design, which fulfills all the conditions of the original conception, and at the same time achieves the limit of simplicity—an enormous gain.

Perfect selective action, firing either right-left or left-right, or as many rights or lefts first as may be desired at the will of the shooter.

The highest and most satisfactory type of one trigger mechanism.

One-Trigger Mechanism is regularly supplied on the higher grade Westley-Richards Guns.

Westley-Richards Single Barrel Trap Gun

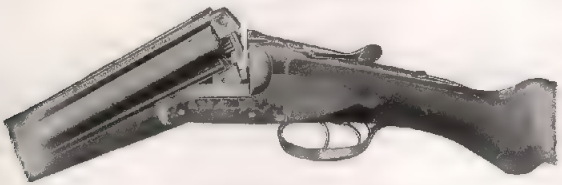
The Westley-Richards single barrel gun is the ideal arm for clay bird marksmen. It has the balance and "feel" of a double barrel gun and will successfully withstand the severe test to which a trap gun is subjected. It is not approached in quality, beauty or effectiveness by any other make.

WESTLEY-RICHARDS GUNS

Double Trigger Models

All Westley-Richards guns are made either 12, 16 or 20 gauge, full or modified choke or cylinder bore, 24 to 32 inch barrels as ordered. Weight according to length and bore.

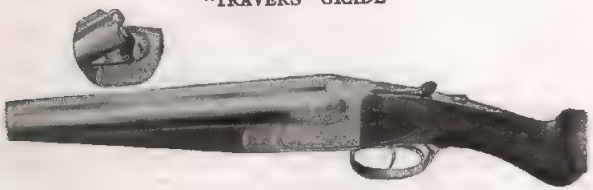
"FEDERAL" GRADE



Westley-Richards' Double Hammerless Ejector Gun, steel barrels, finely bored, fitted with Westley-Richards' celebrated ejector mechanism, automatic rocker top safety treble bite cross bolt action, solid joint-pin, Deeley-Edge fore-end bolt, plain hollow rib, neat line border engraving, straight or half-pistol grip, chequered walnut stock and fore-end, chequered horn heelplate, silver crest plate, shooting quality guaranteed. While low in price the "Federal" has the hall-marks of the famous Westley-Richards make and in balance, reliability and hard shooting qualities is unsurpassed by any other arm save only the highest grades of Westley-Richards.

No. F. With fixed locks, two triggers and ejector.....Net **$127.75**

"TRAVERS" GRADE



The Westley-Richards' "Travers" Ejector Hand Detachable lock gun is designed to meet the taste of those sportsmen who require an up-to-date hand-made English gun of moderate price, of attractive finish and embellishment, with a refined style of engraving. Fitted with steel barrels, hand detachable locks, two triggers. Anson & Deeley hammerless action, double under bolts and cross bolt, side clips or wings, on side of action, Deeley-Edge fore end snap, ornamental panels, fully engraved with scroll work, sunk checkered panels on stock with drop points and fancy checker.

No. T. Standard gauges, lengths and weights. Equipped with hand detachable locks, side clips, ejector and two triggers.....Net **$227.50**

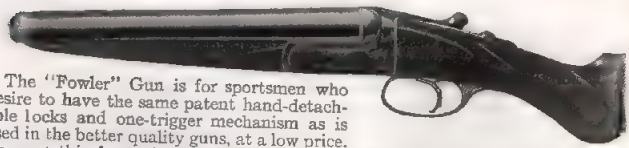
Delivery Prepaid in U. S. if Cash is Sent with Order at Above Prices

WESTLEY-RICHARDS GUNS

Single Trigger Models

12, 16 or 20 gauge, full or modified choke or cylinder bore, 24 to 32 inch barrels, weight according to length and size and individual taste. Straight or half pistol grip as ordered.

"FOWLER" GRADE, PLAIN FINISH



The "Fowler" Gun is for sportsmen who desire to have the same patent hand-detachable locks and one-trigger mechanism as is used in the better quality guns, at a low price. To meet this demand, we offer this gun, which is finished in the plainest manner, so that nearly all the cost is put into the material and actual mechanical parts. A thoroughly reliable gun in every way.

Special steel barrels, engine turned rib, line border engraving, plain checkering and finish, Deeley-Edge fore-end snap.

No. **FO.** With hand detachable locks, ejector, and one trigger **$224.00**

PLAIN ENGLISH FINISH BEST QUALITY

This gun stands in a class by itself -a masterpiece of modern gunnery. It is the ideal gun for a man of modest taste, who wants the best arm that money can buy without elaborate ornamentation. The superior quality and unobtrusive elegance of finish appeals to the sportsman of culture and refinement. The quality of material and workmanship is the same as the "Best" quality described on the following page.

No. **P.** With ejector, one trigger and detachable locks. ..... Net **$367.50**
If with Whitworth steel barrels. Extra ..... Net **40 25**
Extra pair detachable locks to interchange (in leather case) Extra .... Net **47 25**

QUALITY "G" HANDSOMELY ENGRAVED

Double Hammerless, ejector gun, with hand detachable locks, one trigger, Westley-Richards patent top fastening double under grip, rocker safety and cocking lifter. Westley-Richards special steel barrels, Deeley-Edge fore-end bolt, fancy checkered selected walnut stock and fore-end, engine turned rib.

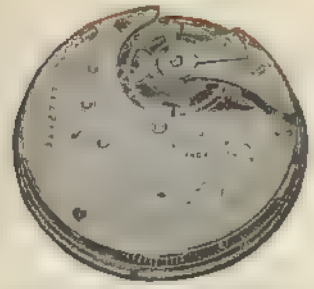
No. **G.** Beautifully engraved, with ejector, hand detachable locks and single trigger ..... Net **$295 75**
If without ejector. ..... less **47.25**
If with two triggers in place of one ..... less **47.25**
If with fixed locks instead of hand detachable ..... less **47.25**

Delivery Prepaid in U. S. if Cash is Sent with Order at Above Prices

Gentlemen's 16 Size Watch Works or Movements

Stem Winding, Pendant and Lever Setting. We Fit All Cases to Movements and Regulate Watches (no charge) Before Shipping

Prices quoted on this page are for the Works or Movements only. For Cases to fit any of the Movements shown on this page, see pages 28 to 43 or Nos. 462 to 796, inclusive. Add the price of the Case wanted to that of the Movement desired, which will give you the price of the Complete Watch. When ordering Watches simply quote the number of Movement and Case wanted.

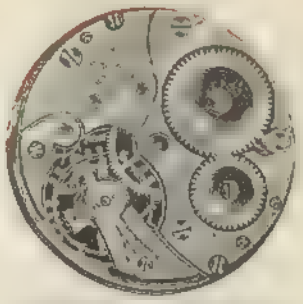


16 SIZE NEW YORK STANDARD 7 JEWEL NICKEL MOVEMENT.

No. 94 is hunting style.
No. 95 is open face style.

7 jewels, nickel damaskeened train bearings in metal settings, quick train, compensation balance, Breguet hairspring, white enamel dial.

No. 1658 Hunting style, pendant set .. $5 65
No. 1659 Open face style, pendant set $5 65

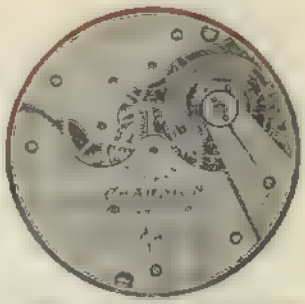


16 SIZE LOCUST IMPORTED SWISS.

Richly damaskeened nickel plates with exposed winding [illegible] lever escapement. Non-Magnetic and adjusted to position, stem wind, pendant set, white enamel dial.

Hunting or open face style.

No. 1[illegible] 7 jewels $6 40
No. 1661 15 jewels 10 35
No. 1662 17 jewels 13 90



16 SIZE DUEBER HAMPDEN "CHAMPION" 7 JEWEL NICKEL MOVEMENT.

7 jewels, gilt center plate, Breguet hairspring, bright flat screws, sunk second dial, spade hands.

No. 1663 Hunting style, lever set $13.05
No. 1664 Open face style pendant set 12 05

16 SIZE SETH THOMAS No. 332—7 JEWEL NICKEL MOVEMENT.

Nickel 7 jewel fancy damaskeening, cut compensation balance wheel with timing screws, banking screws, Breguet hairspring, safety pinion.

No. 1[illegible] Open face style only, pendant set ... $[illegible] 00

(This movement not made in Hunting style)

16 SIZE SETH THOMAS No. 334 15 JEWEL NICKEL MOVEMENT

Nickel 15 jewel fancy damaskeening, cut compensation balance wheel with timing screws, banking screws, Breguet hairspring, safety pinion.

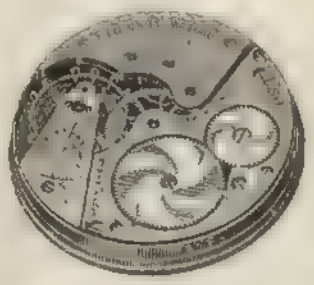
No. 1[illegible] Open face style only, pendant set ... $[illegible] 00

(This movement not made in Hunting style)

16 SIZE WALTHAM No. 610 7 JEWEL NICKEL MOVEMENT

7 jewels, cut expansion balance, patent Breguet hairspring, hardened and tempered in form, patent detachable balance staff, exposed pallets, tempered steel safety barrel, exposed winding wheel.

No. 1667 Hunting style, pendant set...$12 60
No. 1668 Open face style, pendant set.. 12 60

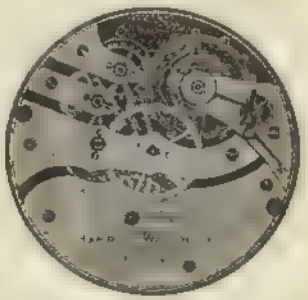


16 SIZE ELGIN 7 JEWEL NICKEL MOVEMENT

No. 290 is Hunting style.
No. 291 is Open Face style.

Pendant winding and setting, seven jewels (settings), ruby balance jewels exposed pallet stones, cut expansion balance, Breguet hairspring, with polished regulator, exposed winding wheels, patent recoiling click and self-locking setting device, dust ring, sunk-second dial, plates damaskeened.

No. 1669 Hunting style, pendant set...$12 60
No. 1670 Open face style, pendant set.. 12.00



16 SIZE DUEBER HAMPDEN "No. 109" 15 JEWEL NICKEL MOVEMENT

Bridge model, 15 jewels in composition settings, Breguet hairspring sunk second dial, patent center pinion, micrometric regulator, bright flat screws.

No. 1671 Hunting style, lever set.....$15 00
No. 1672 Open face style, pendant set.. 15 00

16 SIZE WALTHAM, No. 630. 15 JEWEL NICKEL MOVEMENT

15 jewels in settings, cut expansion balance, meantime screws, patent Breguet hairspring, hardened and tempered in form, patent detachable balance staff, exposed pallets, red gilded center wheel, patent micrometric regulator, tempered steel safety barrel, exposed winding wheels.

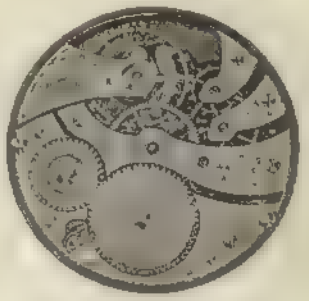
No. 1673 Hunting style, pendant set $20.00
No. 1674 Open face style, pendant set 20 00

16 SIZE ELGIN 15 JEWEL NICKEL MOVEMENT

No. 312 is Hunting style.
No. 313 is Open Face style.

Pendant winding and setting fifteen jewels (settings), ruby balance jewels, exposed pallet stones, cut expansion balance, [illegible] micrometric regulator, exposed winding wheels, patent recoiling click and self-locking setting device, dust ring, sunk-second dial, plates damaskeened.

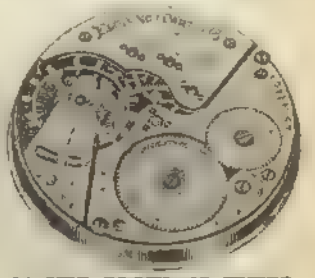
No. 1675 Hunting style, pendant set $20.00
No. 1676 Open face style, pendant set ... 20.00



16 SIZE ILLINOIS No. 303 15 JEWEL NICKEL MOVEMENT

15 jewels, compensating balance, timing screws, rounded arm train, Breguet hairspring, patent regulator, double sunk dial.

No. 1677 Hunting style, pendant set ... $20.75
No. 1678 Open face style, pendant set 20.75



16 SIZE ELGIN—17 JEWEL NICKEL MOVEMENT

No. 386 is Hunting style.
No. 387 is Open Face style.

Pendant set, seventeen jewels (settings) ruby and sapphire balance and center jewels, exposed pallet stones, cut expansion balance, Breguet hairspring, with micrometric regulator, exposed winding wheels, patent recoiling click and self-locking setting device, depressed center sunk second dial, dust ring, damaskeened plates.

No. 1679 Hunting style, pendant set $25.35
No. 1680 Open face style, pendant set 25 35

Gentlemen's 16 Size Watch Works or Movements

Stem Winding, Pendant and Lever Setting

We fit all Cases to Movements and regulate Watches (no charge) before Shipping

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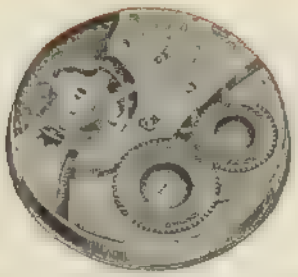
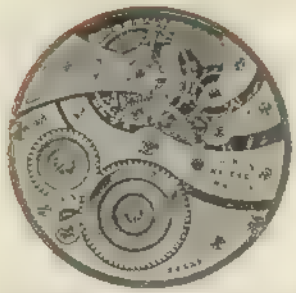


16 SIZE WALTHAM, No. 625—17 JEWEL NICKEL MOVEMENT

[illegible] jewels [illegible] expansion bal[illegible] patent Breguet hair[illegible] spring [illegible] adjusted to [illegible] temperature, [illegible] balance staff exposed pallets [illegible] gilded center wheel, patent micrometric regulator tempered steel safety barrel, exposed winding wheels.

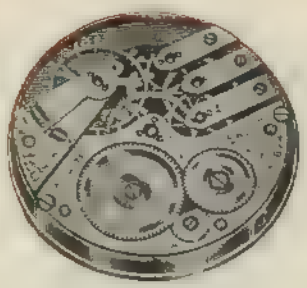
No. 1681 Hunting style pendant set...$25 35
No. 1682 Open face style, pendant set.. 25 35



16 SIZE ILLINOIS No. 304 17 JEWEL NICKEL MOVEMENT

[illegible] jewels [illegible] pendant [illegible] balance, with timing screws, polished arm wheels, steel [illegible] Breguet hairspring, double [illegible] dial.

No. 1683 Hunting style, pendant set...$25 20
No. 1684 Open face style, pendant set.. 25 20

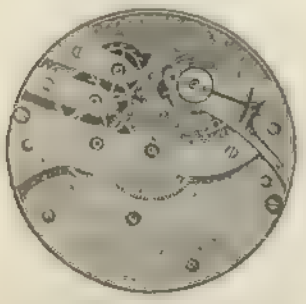


16 SIZE ELGIN—17 JEWEL NICKEL MOVEMENT

No. 381 is Hunting style.
No. 382 is Open Face style.

Pendant set, seventeen jewels (settings), ruby and sapphire balance and center jewels, adjusted to temperature, exposed pallet stones, compensating balance, Breguet hairspring with micrometric regulator exposed winding wheel patent recoiling click and self locking setting device, depre[illegible] second dial, dust ring, damaske[illegible] plates

No. 1685 Hunting style, pendant set $25 00
No. 1686 Open face style pendant set [illegible]



16 SIZE DUEBER-HAMPDEN "DUEBER WATCH CO." 17 JEWEL NICKEL MOVEMENT

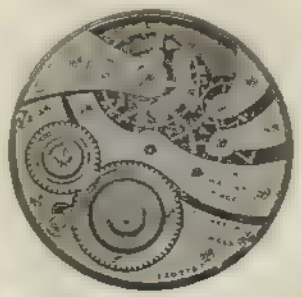
Nickel [illegible] adjusted, [illegible] ruby and [illegible] jewels [illegible] settings, [illegible] pallet stones, [illegible] jewel [illegible] compensating balance with [illegible] timing screws, Breguet hairspring, patent regulator, patent safety center pinion, round arm wheels, bright bevel screws, elegantly engraved and damaskeened, gold lettering [illegible] glass-enameled dial with red [illegible] figures and double roller escapement.

No. 1687 Hunting style lever set [illegible] $25 40
No. 1688 Open Face style, pendant set 25 40

16 SIZE WALTHAM No. 635 17 JEWEL NICKEL MOVEMENT

17 jewels in settings, adjusted to temperature, compensating balance with timing screws, patent Breguet hairspring, [illegible] pallet stones, [illegible] escape wheel, red gilded center wheel, patent micrometric regulator tempered steel safety barrel, exposed winding wheels.

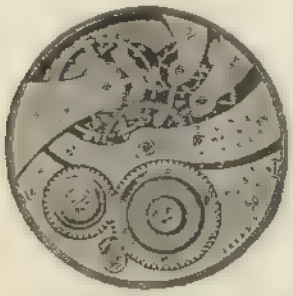
No. 1689 Hunting style, lever set.....$29 65
No. 1690 Open face style, pendant set.. 29 65



16 SIZE ILLINOIS No. 306 17 JEWEL NICKEL MOVEMENT

17 jewels adjusted to temperature, compensating balance with timing screws, steel escape wheel, rounded arm train wheels, gold center wheel, Breguet hairspring, patent regulator, double sunk dial.

No. 1691 Hunting style, pendant set...$29 65
No. 1692 Open face style, pendant set.. 29 65



16 SIZE ILLINOIS No. 308—17 JEWEL NICKEL MOVEMENT

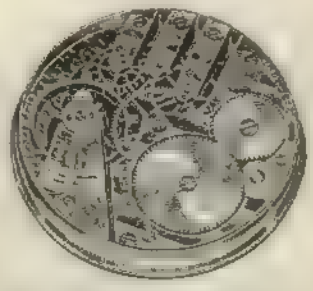
17 jewels adjusted to temperature and three positions, compensating balance with timing screws, steel escape wheel, rounded arm train wheels, gold center wheel, Breguet hairspring, patent regulator, double sunk dial.

No. 1693 Hunting style, pendant set...$32 60
No. 1694 Open face style, pendant set.. 32 60

16 SIZE P. S. BARTLETT—17 JEWEL NICKEL WALTHAM MOVEMENT

17 jewels in settings, adjusted to temperature, compensating balance, [illegible] patent Breguet hairspring, hardened and tempered in form, patent detachable balance staff exposed pallets, red gilded center wh[illegible] micrometric regulator, tempered steel safety barrel, exposed winding wheels.

No. 1695 Hunting style, pendant set...$33 35
No. 1696 Open face style, pendant set.. 33 35



16 SIZE ELGIN—G. M. WHEELER—17 JEWEL NICKEL MOVEMENT

Pendant winding and setting, seventeen jewels (settings), ruby and sapphire balance and center jewels, exposed pallet stones, compensating balance, Breguet hairspring, with micrometric regulator, adjusted to temperature, isochronism, three positions, exposed winding wheels, patent recoiling click and self-locking setting device, dust ring, double sunk glass enamel dial, plates damaskeened, engraving inlaid with gold

No. 1697 Hunting style, pendant set...$36 00
No. 1698 Open face style, pendant set.. 36.00

Gentlemen's 16 Size Watch Works or Movements

Stem winding, pendant and lever setting. We fit all Cases to Movements and regulate Watches (no charge) before shipping

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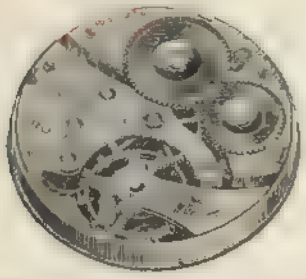
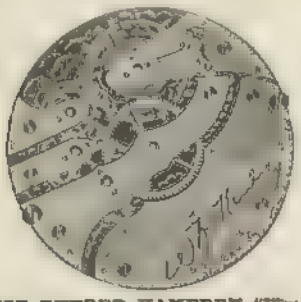
Movements shown on this page are all high grade Railroad Watches and will pass Railway Inspection



16 SIZE WALTHAM ROYAL—17 JEWEL NICKEL MOVEMENT

17 jewels in settings, adjusted to temperature and three positions, compensating balance, meantime screws, patent Breguet hairspring, hardened and tempered in form, patent detachable balance staff, exposed pallets and gold center wheel, patent micrometric regulator, [illegible] steel safety barrel, exposed winding wheels

No. 1699 Hunting style pendant set...$38.70
No. 1700 Open face style, pendant set.. 38.70



16 SIZE DUEBER HAMPDEN "Wm. McKINLEY" OR No. 105 NAMELESS—21 JEWEL NICKEL MOVEMENT.

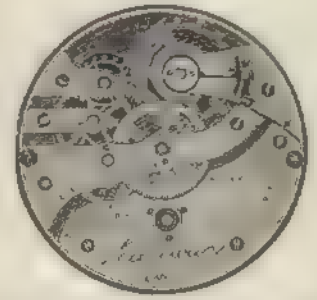
Bridge model, 21 extra fine ruby and sapphire jewels in solid gold settings, sapphire roller jewels and pallet stones, steel escape wheel, round arm polished center wheel, patent center pinion, escapement with conical pivots cap jeweled, patent micrometric regulator, Breguet hairspring, new model stud, compensation balance with gold screws and meantime screws, accurately adjusted to temperature, isochronism and five positions, double sunk dial, bright bevel head screws, elegantly engraved and damaskeened, gold lettering, polished steel work and double roller escapement

No. 1703 Hunting style, lever set.....$46.70
No. 1704 Open face style, lever set.... 48.00

16 SIZE ELGIN B. W. RAYMOND—19 JEWEL NICKEL MOVEMENT

Lever setting, [illegible] winding, nineteen [illegible] gold jewels [illegible] jeweled [illegible] steel escapement [illegible] compensating [illegible] with micrometric regulator, adjusted to temperature, isochronism, five positions [illegible] barrel, with spring box rigidly mounted on bridge, exposed winding wheels [illegible] ing click and self-locking setting device dust ring, double sunk glass enamel dial, engraving inlaid with gold, plates damaskeened and finely finished.

No. 1708 Hunting style, lever set.....$56.00
No. 1709 Open face style, lever set.... 56.00



16 SIZE DUEBER HAMPDEN "RAILWAY"—19 JEWEL NICKEL MOVEMENT

Bridge model, 19 extra fine ruby and sapphire jewels in solid gold settings, sapphire roller jewels and pallet stones, steel escape wheel round arm polished center wheel, patent safety barrel No 711476 with arbor pivots [illegible] to jewels patent center pinion, micrometric regulator, Breguet hairspring, new [illegible] with gold [illegible] screws, accurately adjusted to temperature, isochronism and five positions, double sunk dial, bright beveled [illegible] elegantly engraved and damaskeened, [illegible] ing, polished steel work, [illegible] spring for patent barrel and [illegible]

No. 1701 Open face style only, lever set $42.50
This movement not made in Hunting style.

16 SIZE ILLINOIS BUNN 17 JEWEL NICKEL MOVEMENT.

17 ruby and sapphire jewels, gold settings, adjusted to temperature, 5 positions and isochronism compensating balance, gold screws including timing screws, double roller, gold train, steel escape wheel, double sunk dial

No. 1[illegible] Hunting style, lever set.....$48.90
No. 1[illegible] Open face style, lever set.... 48.90

16 SIZE ILLINOIS A. LINCOLN 21 JEWEL NICKEL MOVEMENT

21 ruby and sapphire jewels, [illegible] adjusted to temperature, 5 positions [illegible] chronism, compensating balance with [illegible] screws, double roller steel escape wheel, [illegible] center wheel Breguet hairspring, patent regulator, double sunk dial.

No. 1710 Hunting style, lever set.....$57.80
No. 1711 Open face style, lever set.... 57.80

16 SIZE DUBER-HAMPDEN "JOHN C. DUEBER" 21 JEWEL NICKEL MOVEMENT.

Nickel bridge, model, 21 extra fine ruby and sapphire jewels in solid gold settings [illegible] pphire oval roller jewel and [illegible] sted center round arm polished center wheel patent, [illegible] bright beveled head screws, steel escape wheel, compensation bal[illegible] [illegible] and meantime screws [illegible] new model stud, mi[illegible] [illegible] ed to temperature, [illegible] and five [illegible] positions double sunk glass [illegible] dial with [illegible] ral figures, [illegible] ly engraved and damaskeened gold letters, highly polished steel works, fine quality [illegible] mainspring and double roller es[illegible]

No. [illegible] Open face style only, lever set $45.50
(This movement not made in Hunting style).

16 SIZE ELGIN B. W. RAYMOND—17 JEWEL NICKEL MOVEMENT.

Lever setting, for railroad service, pendant winding, seventeen ruby and sapphire jewels, gold jewel [illegible] double-roller escapement steel [illegible] with exposed sapphire [illegible] stones [illegible] hairspring with [illegible] adjusted to [illegible] tions, safety barrel, [illegible] mounted on bridge [illegible] [illegible] device dust ring double [illegible] dial, engraving inlaid with [illegible] daskeened and finely finished

No. [illegible] Open face style only, lever set $47.70
(This movement not made in Hunting style.)

16 SIZE ILLINOIS BUNN 19 JEWEL NICKEL MOVEMENT

19 ruby and sapphire jewels, gold settings, adjusted to temperature 5 positions and isochronism, compensating balance, gold screws including timing screws, double roller, gold train, steel escape wheel, Illinois jeweled barrel, double sunk dial.

No. 1712 Hunting style, lever set.....$56.30
No. 1713 Open face style lever set... 56.30

Gentlemen's 16 Size Watch Works or Movements

Stem winding, pendant and lever setting. We fit all Cases to Movements and regulate Watches (no charge) before shipping

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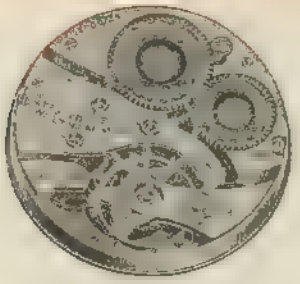
Movements shown on this page are all high grade Railroad Watches and will pass Railway Inspection.



16 SIZE WALTHAM CRESCENT ST.—21 JEWEL NICKEL MOVEMENT

21 fine ruby and sapphire jewels, raised gold settings, adjusted to temperature, isochronism and five positions, compensating balance, meantime screws, patent Breguet hairspring, hardened and tempered in form, patent detachable balance staff, double roller escapement, sapphire jewel pin permanently driven into the roller, exposed sapphire pallets, steel escape wheel patent micrometric regulator, tempered steel safety barrel, jeweled main wheel bearings, exposed winding wheels double sunk dial.

No. 1714 Hunting style, pendant set ..$62.00
No. 1715 Open face style, pendant set. 62.00
No. 1716 Open face style, lever set.... 62.00

16 SIZE ELGIN FATHER TIME—21 JEWEL NICKEL MOVEMENT

Lever setting, for railroad service, pendant winding, twenty-one ruby and sapphire jewels, gold jewel settings, double roller escapement, steel escape wheel, exposed sapphire pallet stones, pallet arbor cone-pivoted and cap-jeweled, compensating balance, Breguet hairspring, with micrometric regulator, adjusted to temperature, isochronism, five position, safety barrel, with spring box rigidly mounted on bridge, exposed winding wheels, patent recoiling click and self-locking setting device, dust ring, double sunk glass enamel dial, engraving inlaid with gold, plates beautifully damaskeened and finely finished

No. 1717 Hunting style, lever set.....$62.00
No. 1718 Open face style, lever set.... 62.00

16 SIZE WALTHAM RIVERSIDE—19 JEWEL NICKEL MOVEMENT.

19 fine ruby and sapphire jewels, raised gold settings, adjusted to temperature and five positions, compensating balance, meantime screws, patent Breguet hairspring, hardened and tempered in form, patent detachable balance staff, double roller escapement, exposed sapphire pallets, steel escape wheel, patent micrometric regulator, red gold center wheel, tempered steel safety barrel, exposed winding wheels, double sunk dial

No. 1719 Hunting style, pendant set $63.70
No. 1720 Open face style, pendant set 63.70
No. 1721 Open face style, lever set 63.70

16 SIZE ILLINOIS BUNN SPECIAL 21 JEWEL NICKEL MOVEMENT

21 ruby and sapphire jewels, gold settings, adjusted to temperature, 6 positions and isochronism, compensating balance, gold screws including timing screws, double roller, gold train, steel escape wheel, double sunk dial

No. 1723 Hunting style, lever set.....$63.70
No. 1723 Open face style, lever set. .. 63.70

16 SIZE WALTHAM No. 645—21 JEWEL NICKEL MOVEMENT

21 fine ruby and sapphire jewels, settings, adjusted to temperature, isochronism and five positions, compensating balance, patent Breguet hairspring, hardened and tempered in form, double roller escapement, sapphire jewel pin permanently driven into the roller, exposed sapphire pallets, steel escape wheel, patent micrometric regulator, tempered steel safety barrel, jeweled main wheel bearings, exposed winding wheels, double-sunk dial

No. 1724 Open face style only, lever set $59.25
(This movement not made in hunting style).

16 SIZE DUEBER-HAMPDEN "No. 104"—23 JEWEL NICKEL MOVEMENT.

Bridge model, extra fine ruby and sapphire jewels, gold settings, sapphire roller jewels and pallet stones, steel escape wheel round arm polished, main wheels patent safety barrel No. 11125 with train wheel arbor jewels revolving in gold bushed cap jewels, escape pinion and pallet arbor cone pivoted, cap jewels, patent micrometric regulator, Breguet hairspring, new model stud and cut expansion balance with gold screws and meantime screws, accurately adjusted to temperature, isochronism and five positions, double sunk glass enamel dial with red marginal figures, bevel head gilt screws, elegantly engraved and damaskeened, gold lettering, highly polished steel work, first quality "Hampden" mainspring for patent barrel, and double roller escapement.

No. 1725 Hunting style, lever set.....$65.25
No. 1726 Open face style, lever set.... 65.25

16 SIZE ILLINOIS SANGAMO SPECIAL 19 JEWEL NICKEL MOVEMENT

19 extra quality diamond, ruby and sapphire jewels, gold settings, adjusted to temperature, 6 positions and isochronism, compensating balance, gold screws including timing screws, double roller, steel escape wheel, gold train, Breguet hairspring, patent regulator, Illinois jeweled barrel, double sunk dial

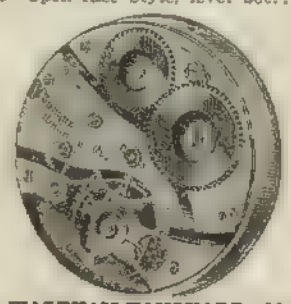
No. 1727 Hunting style, lever set.....$66.70
No. 1728 Open face style, lever set.... 66.70

16 SIZE ELGIN B. W. RAYMOND—21 JEWEL NICKEL MOVEMENT

Lever setting for railroad service.

21 ruby and sapphire jewels, gold jewel settings, double roller escapement with steel escape wheel, exposed sapphire pallet stones, pallet arbor and escape pinion, cone-pivoted and cap-jeweled, compensating balance, Breguet hairspring, with micrometric regulator, adjusted to temperature isochronism and five positions, safety barrel with spring box rigidly mounted on bridge, exposed winding wheels, patent recoiling click and self-locking setting device, double-sunk glass-enamel dial, plates beautifully damaskeened and finely finished, engraving inlaid with gold.

No. 1729 Open face style only, lever set $66.70
(This movement not made in Hunting style.)



16 SIZE WALTHAM VANGUARD—19 JEWEL NICKEL MOVEMENT

Nineteen diamond, fine ruby and sapphire jewels, raised gold settings, adjusted to temperature, isochronism and five positions, compensating balance, meantime screws, patent Breguet hairspring, hardened and tempered in form patent detachable balance staff, both balance pivots running on diamonds, double roller escapement, sapphire jewel pin permanently driven into the roller, exposed sapphire pallets steel escape wheel tempered steel safety barrel jeweled main wheel bearings patent micrometric regulator exposed winding wheels elaborately finished nickel plates with gold lettering, steel parts chamfered, double sunk dial.

No. 1730 Hunting style, pendant set...$69.35
No. 1731 Open face style, pendant set.. 69.35
No. 1732 Open face style, lever set.... 69.35

Gentlemen's 16 Size Watch Works or Movements

Stem winding, pendant and lever setting. We fit all Cases to Movements and regulate Watches no charge before shipping

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Movements shown on this page are all high grade Railroad Watches and will pass Railway Inspection

16 SIZE ILLINOIS BUNN SPECIAL 23 JEWEL NICKEL MOVEMENT

23 ruby and sapphire jewels, gold setting, adjusted to temperature, 6 positions and isochronism, compensating balance, gold screws, including timing screws, double roller, gold train, steel escape wheel, Illinois jeweled barrel double sunk dial.

No. 1733 Hunting style, lever set.. ..$74 10
No. 1734 Open Face style, lever set.... 74 10

16 SIZE ELGIN VERITAS—23 JEWEL NICKEL MOVEMENT

Lever setting, for railroad service, pendant winding, twenty-three ruby and sapphire jewels, gold jewel settings, barrel arbor pivot-running in jewels, double roller escapement, steel escape wheel, exposed sapphire pallet stones, pallet arbor cone-pivoted and cap-jeweled, escape pinion cone-pivoted and cap-jeweled, compensating balance, Breguet hairspring, with micrometric regulator, adjusted to temperature, isochronism, five positions, safety barrel with spring box rigidly mounted on bridge, exposed winding wheels, patent recoiling click and self-locking setting device, dust ring, double-sunk glass enamel dial, engraving inlaid with gold, plates beautifully damaskeened closely timed and finely finished throughout.

No. 1738 Open Face style only, lever set..$80 00
(This movement not made in Hunting style).

16 SIZE ELGIN 21 JEWEL NICKEL MOVEMENT

No. 156 is Hunting style.
No. 162 is Open Face style

Pendant winding and setting, [illegible] ruby and sapphire jewels, gold jewel settings, double roller escapement, steel escape wheel, exposed ruby pallet stones, pallet arbor cone-pivoted and cap-jeweled, escape pinion cone-pivoted and cap-jeweled, compensating balance, Breguet hairspring with micrometric regulator, adjusted to temperature, isochronism, five positions, exposed winding wheels, patent recoiling click and self-locking setting device, dust ring, double sunk glass enamel dial, plates beautifully damaskeened and finely finished.

No. 1742 Hunting style, pendant set..$146 70
No. 1743 Open Face style, pendant set.. 146.70

16 SIZE ILLINOIS SANGAMO SPECIAL 21 JEWEL NICKEL MOVEMENT

21 extra quality diamond, ruby and sapphire jewels, gold settings, adjusted to temprature, 6 positions and isochronism, compensating balance, gold screws including timing screws, double roller, steel escape wheel, gold train Breguet hairspring, patent regulator, double sunk dial.

No. 1735 Hunting style, lever set.. $74 10
No. 1736 Open Face style, lever set.. 74 10

16 SIZE ILLINOIS SANGAMO SPECIAL 23 JEWEL NICKEL MOVEMENT

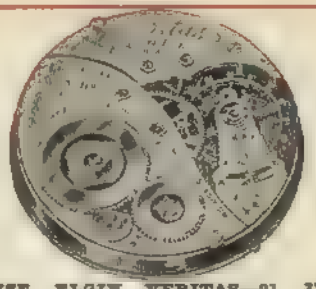
23 extra quality diamond, ruby and sapphire jewels, gold settings, adjusted to temperature, 6 positions and isochronism, compensating balance, gold screws, including timing screws, double roller, steel escape wheel, gold train, Breguet hairspring, patent regulator, Illinois jeweled barrel, double sunk dial

No. 1739 Hunting style, lever set.. $88 90
No. 1740 Open Face style, lever set.. 88 90

16 SIZE ELGIN "LORD ELGIN" 23 JEWEL NICKEL MOVEMENT

Pendant winding and setting, 23 ruby and sapphire jewels, gold jewel settings, barrel arbor pivots running in jewels, double roller escapement, steel escape wheel, poised pallet and fork, exposed ruby pallet stones, pallet arbor cone-pivoted and cap-jeweled escape pinion cone-pivoted and cap-jeweled, compensating balance, Breguet hairspring with micrometric regulator, adjusted to temperature, isochronism five positions, safety barrel with spring box rigidly mounted on bridge, exposed winding wheels, patent recoiling click and self-locking setting device, dust ring, double sunk [illegible] dial, plates beautifully damaskeened closely timed and finely finished throughout

No. 1744 Open Face style pendant set$160 60
(This movement not made in Hunting style).



16 SIZE ELGIN VERITAS—21 JEWEL NICKEL MOVEMENT

Lever setting, for railroad service, pendant winding, twenty-one ruby and sapphire jewels, gold jewel settings, double-roller escapement, steel escape wheel, exposed sapphire pallet stones, pallet arbor cone-pivoted and cap-jeweled, escape pinion cone-pivoted and cap-jeweled, compensating balance, Breguet hairspring, with micrometric regulator, adjusted to temperature, isochronism, five positions, exposed winding wheels, patent recoiling click and self-locking setting device, dust ring, double-sunk glass enamel dial, engraving inlaid with gold plates beautifully damaskeened closely timed and finely finished throughout.

No. 1737 Open face style only, lever set$75 30
(This movement not made in Hunting style).

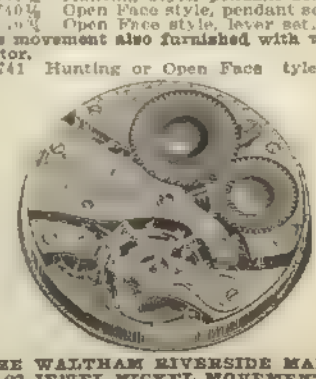
16 SIZE WALTHAM VANGUARD 23 JEWEL NICKEL MOVEMENT

[illegible] three diamond, fine ruby and sapphire jewels, raised gold settings, adjusted to temperature, isochronism and five positions, compensating balance, meantime screws, patent Breguet hairspring hardened and tempered in form, patent detachable balance staff, both balance pivots running on diamonds, double roller escapement sapphire jewel, pin permanently driven into the roller, exposed sapphire pallets, steel escape wheel, embossed gold patent micrometric regulator, tempered steel safety barrel, jeweled main-wheel bearings exposed winding wheels, elaborately finished nickel plates with gold lettering, steel parts chamfered, double sunk dial

No. 1740½ Hunting style, pendant set $80.00
No. 1740¼ Open Face style, pendant set $0.00
No. 1 [illegible] Open Face style, lever set, $0.00

This movement also furnished with winding indicator.

No. 1741 Hunting or Open Face style..$90.30



16 SIZE WALTHAM RIVERSIDE MAXIMUS 23 JEWEL NICKEL MOVEMENT

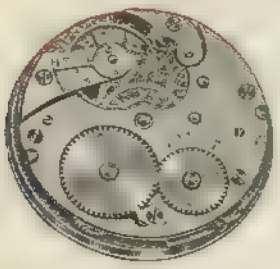
Twenty-three diamond fine ruby and sapphire jewels, 2 pair diamond caps, raised gold settings, accurately adjusted to temperature [illegible] ism and five positions and carefully [illegible] ed, compensating balance, meantime screws patent Breguet hairspring, hardened and tempered in form, patent detachable balance staff, both balance pivots running on diamonds double roller escapement, sapphire jewel pin permanently driven into the roller, exposed sapphire pallets, steel escape wheel, gold train tempered steel safety barrel, jeweled main wheel bearings, patent micrometric regulator, exposed winding wheels, steel parts chamfered fine glass hand-painted dial of most modern and artistic design

No. 1745 Hunting style, pendant set.. $182 25
No. 1746 Open Face style, pendant set $182 25
No. 1747 Open Face style, lever set....182.25

Gentlemen's 12 Size Watch Works or Movements

Stem winding and stem setting. We fit all Cases to Movements and regulate Watches (no charge) before shipping.

Prices quoted on this page are for the Works or Movements only. For Cases to fit any of the Movements shown on this page, see pages 44 to 55 (or Nos. 797 to 1049), inclusive. Add the price of the Case wanted to that of the Movement desired, which will give you the price of the Complete Watch. When ordering Watches simply quote the number of Movement and Case wanted.



12 SIZE LOCUST IMPORTED SWISS

Richly damaskeened nickel plates with exposed winding wheels, quick train, straight line lever escapement, Non-Magnetic and adjusted to position, stem wind, pendant set, white enamel dial.

Hunting or open face style.

No. 1748 7 jewels ..... $ 7 75
No. 1749 15 jewels 1 70
No. 1750 17 jewels 14.20

12 SIZE WALTHAM No. 210—7 JEWEL NICKEL MOVEMENT

7 jewels, cut expansion balance, meantime screws, patent detachable balance staff, patent Breguet hairspring, hardened and tempered in form, exposed pallets, tempered steel safety barrel, exposed winding wheels.

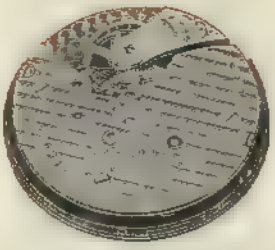
No. 1753 Hunting style, pendant set...$14 00
No. 1754 Open face style, pendant set. 14 00

12 SIZE DUEBER HAMPDEN 15 JEWEL NICKEL MOVEMENT

No. 304 is Hunting style.
No. 306 is Open Face style.

Nickel, bridge model, 15 ruby jewels in composition settings, patent safety center pinion, exp. balance with meantime screws, breguet hairspring, patent regulator, exposed winding wheels, bright flat screws, engraved and damaskeened, gold lettering, Arabic or Roman dial with marginal figures.

No. 1763 Hunting style, pendant set...$19 15
No. 1764 Open face style, pendant set.. 19.15



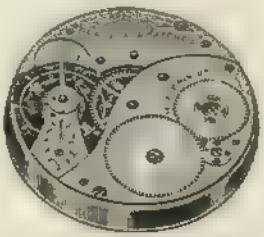
12 SIZE SETH THOMAS MOVEMENT

No. 326 is 7 jewel grade.
No. 328 is 15 jewel grade.

(Furnished in open face style only.)

No. 1751 7 jewel, open face style, pendant set $8 00

No. 1752 15 jewel, open face style, pendant set $10.70

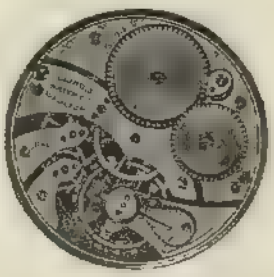


12 SIZE ELGIN—7 JEWEL NICKEL MOVE-[illegible]

No. 301 is Hunting style.
No. 303 is Open Face style.

Pendant winding and setting, seven jewels (settings), ruby balance jewels, exposed pallet stones, cut expansion balance, Breguet hairspring, with polished regulator, exposed winding wheels, patent recoiling click and self-locking setting device, dust ring, sunk-second dial, plates damaskeened.

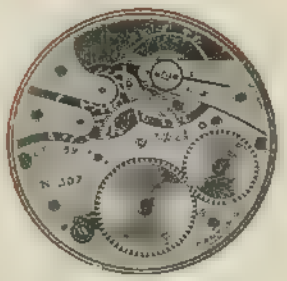
No. 1757 Hunting style, pendant set...$14 00
No. 1758 Open face style, pendant set. 14 00



12 SIZE ILLINOIS No. 403—15 JEWEL NICKEL MOVEMENT

15 jewels, polished settings, compensating balance, Breguet hairspring, safety screw center pinion, safety recoil click.

No. 1765 Hunting style, pendant set...$20 00
No. 1766 Open face style, pendant set.. 20.00



12 SIZE DUEBER HAMPDEN 7 JEWEL NICKEL MOVEMENT

No. 300 is hunting style.
No. 302 is open face style.

Nickel, bridge model, 7 jewels, patent safety center pinion, exposed winding wheels, exp. bal. with meantime screws, breguet hairspring Arabic or Roman dial. All pivot holes not jeweled bushed with anti-friction metal.

No. 1753 Hunting style, pendant set.. $13.35
No. 1754 Open face style, pendant set. 13.35

12 SIZE SETH THOMAS MOVEMENTS (Furnished in open face style only.)

No. 25 Nickel, 7 jewels, fitted with patent micrometer regulator, compensating balance with timing screws and banking screws, Breguet hairspring, exposed winding wheels, polished center wheel, fitted with fine white porcelain dial.

No. 1759 Open face style only, pendant set $13.35

No. 26 Nickel, 15 ruby jewels in gold settings, fitted with patent micrometer regulator, compensating balance with timing screws and banking screws, Breguet hairspring, exposed winding wheels, polished center wheel, fitted with fine white porcelain dial, pendant set.

No. 1760 Open face style only $15 00

No. 27 Nickel, 17 ruby jewels in raised gold settings, fitted with patent micrometer regulator, compensating balance with timing screws and banking screws, Breguet hairspring, exposed winding wheels, polished center wheel, fitted with fine white porcelain dial, pendant set.

No. 1761 Open face style only.....$22.85

No. 28 Nickel, 17 ruby and sapphire jewels in raised gold settings, adjusted to temperature and three positions, patent micrometer regulator, compensating balance with timing screws and banking screws, Breguet hairspring, exposed winding wheels, polished gold-plated center wheel and train wheels and finely finished throughout, fitted with fine white porcelain dial, pendant set.

No. 1762 Open face style only $33 35

TIRE MEASURING WHEELS

LITTLE GIANT

Used by Blacksmiths and Wagon Makers to Measure the Iron and Wood and Locate the Holes to be Punched and Bored by the Iron Valves.

Drop Forged Steel Wheel Carefully Ea h Set to Exactly 24 inches in Circumference. Figured on inches and Graduated to 96 ths. Figures and Lines Cut into the Metal. Iron Handle Runs in Wheel Two Spokes and Hub Painted Red Rim of Wheel Painted Yellow. Iron Handle, the Index Hand of Which is Pointed to Finish, can be set Instantly, and will not Get Out of Order.

	Each
No. 1—24 inch Circumference sheet 24 inch Diameter Length Over All 38½ inches, Weight each, 13 lbs., Weight per Dozen 156 lbs.	$6.00

One in a Box

MOLE TIRE SHRINKERS

PLAIN WITHOUT ANTI-KINK ATTACHMENT

WITH ANTI-KINK ATTACHMENT

Simple in Construction Strong and Durable and is Easily Operated by One Person. Cast Iron Base and Frame, Hardened Steel Jaw, Jaw Lever connecting the Jaw is Made of Rolled Steel, which Adds to the Strength of the Machine. The Pin Holes in the Link are so Placed that the Pin may be Moved into Different Holes for Different Thickness of Tires.

No. 1—Adapted to General Custom Work.
No. 2—Adapted to All but the Heaviest Work.
No. 3—Adapted to Heavy Wagon and Truck Tires.

Without Anti-Kink Attachment

Nos.	1	2	3
Capacity of Jaws, Inches	2	3	4
For Tires Up to, Inches	2½	3	4
Length Lever, Inches	16	20	26
Length Over All, Inches	32½	37	42
Weight Each, Lbs.	30	40	210
Each	$13 50	18 00	27 00

With Anti Kink Attachment

Nos.	2	3
For Tires Up to, Inches	3	4
Length Lever, Inches	20	26
Length Over All, Inches	37	42
Weight Each, Lbs.	40	210
Each	$31.00	39.00

ANTI KINK ATTACHMENT

Will Hold the Tire Down and not Allow it to Buckle Up, but will Allow the Upper Jaw to be Pressed Down or Regulated by the Foot

	Each
No. AK2—For No. 2 Anti-Kink Shrinker, Weight about 21 lbs.	$8.50
No. AK3—For No. 3 Anti-Kink Shrinker, Weight about 28 lbs.	7.00

Loose

TIRE BENDERS

ROLLER BEARING

Japanned Cast Iron Frame and Gear Wheels, Turned Steel Rollers and Arbor, Weight Iron Crank. All the Journals are Provided with Steel Roller Bearings. The Rolls are Turned Perfectly Round and True.

	Each
No. 2—Will Bend 2¼ inch Tire and Smaller to a Circle of 24 inches and Larger; Diameter of Large Gear Wheel 10¾ inches; Length Over All 28 inches, Width Over All 11 inches, Height Over All 14 inches; Weight Each about 80 lbs.	$13 50

One in a Case

TUYERE IRONS

WARREN

For Use with Bellows

Japanned Cast Iron Head and Neck, Wrought Iron Rods the Blast is Regulated by Turning the Upper Rod, when the Bottom Valve is Opened the Ashes and Cinders Fall Out.

	Per Dozen
No. W—Warren, Size of Cup 10x10 inches; Neck 6x6 inches Long; Rods 22 inches Long, Size of Top Hole 1¼ inches; Blast Connection 2¾ inches; Weight Each 1.75 lbs.	$48 00

DUCK NEST; SINGLE; ONE PIECE NECK

Plain Cast Iron Head and Neck, Bolted Both Sides; Opened by Unfastening Bolts

	Per Dozen
No. 80—Diameter of Head 7¼ inches; Hole 3¾ inches on Top and 2¾ inches at the Bottom; Depth 9 inches; Length 18¾ inches; Weight Each 13½ lbs.	$32 80

DUCK NEST; SPLIT NECK

Plain Cast Iron Head and Neck; Bolted Both Sides; Opened by Unfastening Bolts

SINGLE

	Per Dozen
No. 5—Diameter of Head 7 inches; Hole 2½ inches on Top and 2¾ inches at the Bottom; Length 13¾ inches; Weight Each 6¾ lbs.	$6 00

Loose

BLACKSMITHS BELLOWS

STANDARD BLACKSMITH; FIVE LEAF

Kiln Dried Hardwood Outside Boards, Cross Bars Riveted; Riveted Japanned Sheet Steel Cap and Funnel, Trimmed with ¾ inch Best Wood Stirrup, Secured with Coated Nails; Steel Side Pivots and Rear Hooks; Leather Covered and Coated Nose.

LEATHER SIDES OR FOLDS

Nos.	LB24	LB26	LB28	LB30	LB32
Width, Inches	24	26	28	30	32
Length, Inches	48	49	52	55	58
Weight Each, Lbs.	50	40	45	50	55
Each	$10 00	11 00	12 00	13 00	14 00
	10 80	11 80	13 00	14 10	15 20

Nos.	LB34	LB36	LB38	LB40	LB42	LB44
Width, In.	34	36	38	40	42	44
Length, In.	61	64	67	70	74	80
We. Each, Lbs.	65	70	80	90	95	100
Each	$15 00	16 00	20 00	22 00	27 00	30 00
	17 30	19 50	21 60	24 80	29 20	36 60

CANVAS SIDES OR FOLDS

Nos.	CB24	CB26	CB28	CB30	CB32
Width, Inches	24	26	28	30	32
Length, Inches	48	49	52	55	58
We. Each, Lbs.	35	40	45	50	55
Each	$ 9 00	10 00	12 00	13 00	14 00
	10 80	11 80	13 00	14 10	15 20

Nos.	CB34	CB36	CB38	CB40	CB42	CB44
Width, Inches	34	36	38	40	42	44
Length, Inches	61	64	67	70	74	80
We. Each, Lbs.	65	70	80	90	95	100
Each	$16 00	18 00	20 00	21 00	27 00	30 00
	17 30	19 50	21 80	24 80	29 20	34 60

Loose

MOULDERS

Grained Wood Boards, Cleats, Reversed Handles with Leather Loop or Fastening, Iron Funnel Simple Leather Valve or Reeds, with Finished Leg, are Split Tacked on.

Leather Covered Nose Studded with Tacks, Leather Valve

Nos.	M20	M12
Width, Inches	20	12
Length, Inches	28-4	23
Weight each, Lbs.	2½	4
Weight per Dozen, Lbs.	30	46
Per Dozen	$25 40	27 00

HAND

For Heating Household Fire, Blowing Dust out of Planes, Machinery, etc. Varnished Boards with Knobs on Harness and Leather Loop Sewed Leather Sides or Ends, Plain Leather Edge Straps, Galvanized Iron Funnel

Nos.	H8	H10	H12
Width, Inches	8	9¼	11
Length, Inches	17	19½	23½
Weight each, Lbs.		2	2½
Weight per Dozen, Lbs.		18½	24
Per Dozen	$12 00	16 00	22 00

Loose

BLACKSMITHS APRONS

DOGS

Made of the Best Grades of Leather and by the Best Process of Tanning Used to Produce the Class of Goods, with Nickel Plated Brass Eyelets, Strings Tied.

HORSE HIDE SPLIT LEATHER

Oak Tanned; Solid Leather

With Bib

	Per Dozen
No. E—28x38 inches, Weight Each 24 ozs. Weight per Dozen 18¾ lbs.	$36 00

Without Bib

	Per Dozen
No. C—24x27 inches, Weight Each 18 ozs. Weight per Dozen 10½ lbs.	$30 00
No. X—30x36 inches, Weight Each 27 ozs. Weight per Dozen 20¼ lbs.	60.00

MULE SKIN

Gray Color Two Piece Double Seamed and Riveted to Split.

Without Bib

	Per Dozen
No. M 30x36 inches, Weight Each 23½ lbs. Weight per Dozen 27 lbs.	$60 00

Loose

BORAX

CRYSTAL LUMP

Used by Iron and Metal Workers for Welding and Soldering for Toilet Laundry Medicinal and Preservative Purposes, It is One of the Best Welding Products Known.

	Per Pound
No. 2—Refined Lumps Crystalized, in Barrels Containing about 330 lbs.	$0 20

Loose

WELDING COMPOUND

CHERRY HEAT

A Perfect Welding Compound; Welds Iron and Steel at Low Heat Welds Iron to Iron, Steel to Steel and Iron to Steel.

	Per Pound
No. 1—In 1 lb. Wood Boxes	$0 25
No. 5—In 5 lb. Wood Boxes	15

Sold Only in Full Packages

"DIAMOND EDGE IS A QUALITY PLEDGE"

BLACKSMITH BLOWERS

BUFFALO

Strongest Blast With the Least Effort

Ball Bearing. Diameter of Fan Case 14 inches; Steel Shaft, Plain Bushings, Cast Iron Gear and Fan Cases, Four Tubular Steel Hearth Legs. Height over all 45 inches. Height of Gear Over Anchors, Spread of Legs at Floor 24 inches; 16 Inch Counter-Balanced Crank, 30 Inch Sweep.

Each

†No. 2207,14—Complete with Vulcan Tuyere Iron and 3-inch Cast Iron Standard Blast Connecting Pipe; Weight 155 lbs. ... $40 00

†No. 2207T/14—Without Tuyere Iron or Connecting Pipe; Weight 107 lbs. ... 33 00

No. 2001 Fan Case Weight 43 lbs. ... 27 00

No. 2207-T Fan Case Weight 43 lbs. ... 27 00

Crank movement, Right or Left Hand, with 4-inch Counter-Balance Crank. Sweep 30 inches.

Each

Deep Cast Cast, Triple Gear Steel Shaft, Plain Bushings, Cast Iron Gear and Fan Cases, Three Tubular Steel Hearth Legs. Height over all, Adjustable 38 to 44 inches, Diameter of Fan Case 12 inches, Spread of Legs at Floor 23 Inches.

No. 98T—Complete with Heavy Duty Tuyere Iron and 3-Inch Corrugated Blast Connecting Pipe; Weight 130 lbs. ... $31 00

No. 98NT—Without Tuyere Iron or Connecting Pipe; Weight 80 lbs. ... 23 00

NEW CLIMAX

High Speed Pinion runs in a Bath of Oil, lubricating all other working parts by splashing.

Furnished with Tubular Steel Legs or Pedestal Base. Always specify which is wanted when ordering.

Each

No. C8—Ball Bearing. Diameter of Fan Case 18 Inches. Steel Shaft, Plain Bushing Cast Iron Gear and Fan Cases; Height over all 45 inches, Height of Gear Case 12 inches; 15-inch Counter Balanced Crank, 30-inch Sweep; Complete with Tuyere Iron and Galvanized Blast Connecting Pipe. Weight 180 lbs. ... $32 00

No. 130—With Shield; Weight 10 lbs. ... $0.00

No. 363—With Half Open Hood; Weight 25 lbs. ... $0.50

BUFFALO PORTABLE FORGES

For General Smithy Work. Large Hood; Large and Roomy Hearth.

The Hearth is made of Cast Iron, [illegible] and is mounted on a good Portable Steel Base. Fuel Tank Holds Large Coal. Deep Cast Iron Gear Casing, Blower and Fan Case Hardwood Shrouded Lever.

Size of Fan 30x32 inches. Height to Top of Fan 38 inches. Height over all 56 inches. Spread of Legs 34x27 inches. Diameter of Tire 4 inches. Diameter of Fan Case 14 inches.

Each

No. 800—With Open Hood and Water Tank; Weight 180 lbs. $37 00

The Fan is made of Steel and is driven by Lever through Ratchet Gear and Belt, giving a strong Blast sufficient for all work usually done in a forge of this size.

Deep and spacious Hearth made of Cast Iron. Heavy pressed Steel Wind Shield, a Rigid and Durable Support is obtained by the careful Bracing of the Tubular Steel Legs.

Diameter of Bowl 22 inches. Height to Top of Bowl 30 inches. Height over all 45 inches. Spread of Legs 30x30 inches. Diameter of Fan 9 inches; Diameter of Fan Case 12½ inches.

Each

No. 200—With Shield; Weight 95 lbs. $11 00

AGRICULTURAL

Suitable for Light Repairing, Rivet Heating and Farm use particularly. Heavy pressed Steel Hood or Shield. Tubular Steel Legs.

The Tuyere Iron is designed so to give an even spread of Blast. Diameter of Hearth 19 inches. Height to Top of Bowl 30 inches. Height over all 50 inches. Spread of Legs 30x30 inches. Diameter of Fan Case 9½ inches. Stock Fan.

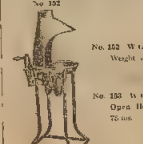
No. 152

No. 150

No. 150—With Shield ... Each $9 00

No. 152—With Shield ... $9 00

No. 153—With Half Open Hood ... $9 00



No. 153

No. 151

No. 151—With Shield ... Each $10 00

No. 153—With Half Open Hood ... $10 00

BUFFALO PORTABLE FORGES

BLACKSMITH

With Geared Hand Blowers and Counterbalanced Crank

†WITH CAST IRON FIRE PAN

Intended for the [illegible] Jobbing Blacksmith, Horse Shoeing Shops and Light Shops with General Blower No. 300, Having 14 in. Fan Case, and Vulcan Tuyere Iron. Deep Cast Iron Gear Casing Blower and Tuyere Iron Wrought Iron Drop Toed Rest, Hood Takes 8 in. Pipe; Painted Steel Blast.

Each

†No. 678—With Open Hood, Fan 30x32 inches, Water Tank 20x30x12 in., Height to Top of Fan 37 in., Height Over All 63 in., Diameter of Fan 14 in., Wt. 270 lbs. ... $66.00 $0 00

WITH CAST IRON FIRE PAN

For General Blacksmith Work Shops and Large Shops. Powerful and Durable. Adapted for [illegible] Work. Height over all 45 in., Diameter of Fan Case 12 in. Deep Cast Iron Gear Casing, Blower and Tuyere Iron. Cast Iron Fire Pan; Heavy Pressed Steel Hood, Iron and Water Tank, Tubular Steel Hearth Legs. Cast Iron Gear Casing, Blower and Tuyere Iron. Wrought Iron Drop Toed Rest, Hood Takes 8 in. Pipe; Painted Steel Blast.

Each

†No. 659—With Open Hood, Fan 36x36 in., Water Tank 24x36x12 in., Height to Top of Fan 39 in., Height Over All 66 in., Diameter of Fan 16 in., Wt. 350 lbs. ... $43.00 $4 00

No. 659NT—Without Tank ... $36 00 $0.00

WITH HEAVY FORGED STEEL FIRE PAN

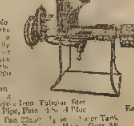
A Light, Forge or Large Capacity Portable Jobbing Work, with Geared Blower No. 3. Having 16 inch Fan Case. Vulcan Tuyere Iron. Heavy Pressed Steel Fan with Flanged Edge, Hood and Tank. Deep Cast Iron Gear Casing. Blower and Tuyere Iron Wrought Iron Drop Toed Rest, Hood Takes 8 in. Pipe, Painted Steel Blast.

Each

No. 681—With Open Hood, Fan 36x36 inches, Water Tank 20x30x12 inches, Height to Top of Fan 39 inches, Height Over All 66 inches, Diameter of Fan 16 inches, Weight 350 lbs. ... $48 00

No. 681NT—Without Tank, Weight 270 lbs. ... 42 00

WITH HEAVY CAST IRON FIRE PAN



Each

Sturdy and Durable. This No. 650 Shows Blower No. 3 with Fan Case 16 inches. Deep Cast Iron Gear Casing, Blower and Tuyere Iron Tubular Steel Legs. Hood Takes 8 in. Pipe. Painted Steel Blast.

No. 650—With Open Hood, Fan 36x36 in., Water Tank 18x30x6 in., Height to Top of Fan 39 in., Height Over All 66 in., Diameter of Fan 16 in., Weight 350 lbs. ... $40 00

No. 650NT—Without Tank ... $0 00

STEEL RIVET FORGES

Especially Adapted [illegible] Ball Bearing, Roller Mounted and Geared Blower. Also for Tool Dressing, Light Forging, Tempering and Annealing. Heavy Pressed Steel Hood or Shield. Tubular Steel Hearth Legs. To Burn Coke, Coal or Oil as Fuel. Weatherproof Gear Case Iron Gear Case and Blower Painted Steel Blast.

A Light Fire Pan and Strong Fire Plate for these Forges Especially [illegible] with 12 inch No. 300 Geared Blower. The Gears Run in Oil and Weatherproof Case.

For Work on Tanks, Stand Pipes, Steel Buildings, Bullers, Bridges and in Mines, these Forges are Unequaled.

Fitted with No. 98 Double Geared Blower. The Gears Run in Oil and Weatherproof Case

WITH OPEN HOOD

With Heavy Pressed Steel Hood

Height to Top of Fan	48 in.	Height Over All	56 in.
Diameter of Fan	12 in.	Depth of Fan	6 in.
†Nos.	†4820	†4824	†4824B
Diam. Bowl, In	18	22	24
Weight, Lbs	120	130	140
Each	$33 00	42 00	45 00
	36 40	54 40	50 00

WITH SHIELD

With Heavy Pressed Steel Bowl

Height to Top of Fan	48 in.	Height Over All	56 in.
Diameter of Fan	12 in.	Depth of Fan	6 in.
Nos.	824	†4824A	†4824B
Diam. Bowl, In	18	22	24
Weight, Lbs.	105	120	130
Each	$30 00	39 00	41 00
	33 00	50 40	46 00

WITH OPEN HOOD

With Cast Iron Bowl

In Design and Construction this Forge is Equal and Similar to the Well Known Rough Hand Forge, and Our Own Work.	Each
† No. 124—With Cast Iron Bowl 22x22 in. Height to Top of Bowl 22 in. Height Over All 54 in. Diameter of Fan 12 in. Weight 150 lbs.	$38 00

Items Marked † Not Carried in Stock; Can Only be Furnished by Shipping Direct from Factory

"DIAMOND EDGE IS A QUALITY PLEDGE"

POST DRILLS
BUFFALO UPRIGHT; BALL BEARING

The Ball Bearings are Used at the Point of Greatest Friction, viz., at the Connection of the Fast Revolving Drill Spindle with the Feed Screw, Otherwise the Slowly Revolving Feed Mechanism, Reducing the Friction, and Saving one-third of the Power.

All Drills on this Page are furnished with the Buffalo Improved Chuck. Insert the Bit with the Flat of Shank directly in line with the two "Ofset" stamped in Spindle, turn the Collar halfway to the left and the Bit is securely locked. The Simplest, safest Chuck made. No Set Screw to twist No Threads to Strip. No Wrench required.

Oil Finished Cast Iron Frame Gearing Wheels, Swing Table and Support, Polished Steel Drill Spindle, Table Post, Shafts, Axles and Chuck

Automatic Self Feed and Hand Feed, with Quick Return of Spindle—No turning back of Feed Wheel after Drilling.

Slotted Swing Table Adjustable Up and Down; Massive Cut Gears, Milled Teeth, All Bearings are Bored and Reamed in the Solid Metal, No Lugs being used

TWO SPEED—Automatic and Multi-Compound Capstand Lever Feed. The Automatic Feed is Adjustable to Four Speeds.

Change quickly accomplished by Sliding Collars; one arranged at Feed Head for changing from Lever to Automatic Feed or back. The other at or lower end of Fly Wheel Shaft, for change from slow to fast speed, or back

Drills Holes up to 1¼ inches in Center of 34-inch Circle; Takes ⅝ inch Straight Shank Bits. Diameter of Chuck 3¼ inches; Saddle 5½ inches; Diameter of Table 16 inches, Run of Table 20 inches; Run of Feed 5½ inches; Diameter of Pinion 1¾ inch; Gear 7¾ inches; Oak Upright 46 inches long, inches 6 wide, 2 inches thick. Length over all 72 inches. Each

✚ No. 2041—For Hand Power only, without Pulleys; Weight 370 lbs. $70 00

✚ No. 2042—For Power and Hand, with Tight and Loose Pulleys, Size of Pulleys 8x3 inches; Weight 390 lbs. 75 00

TWO SPEED—Automatic and Multi-Compound Capstand Lever Feed. The Automatic Feed is Adjustable to Four Speeds.

Change quickly accomplished by Sliding Collars; one arranged at Feed Head for changing from Lever to Automatic Feed or back. The other at or lower end of Fly Wheel Shaft, for change from slow to fast speed, or back.

Drills Holes up to 1¼ inches in Center of 34-inch Circle; Takes ⅝ inch Straight Shank Bits. Diameter of Chuck 3¼ inches; Spindle 5½ inches; Diameter of Table 16 inches, Run of Table 20 inches; Run of Feed 5½ inches; Diameter of Pinion 1¾ inch; Gear 7¾ inches; Oak Upright 46 inches long, inches 6 wide, 2 inches thick. Length over all 72 inches. Each

✚ No. 2041—For Hand Power only; without Pulleys, Weight 370 lbs. $70 00

✚ No. 2042—For Power and Hand, with Tight and Loose Pulleys, Size of Pulleys 8x3 inches; Weight 390 lbs. 75 00

TWO SPEED—Automatic and Capstand Lever Feed.

The Automatic Feed is Adjustable to Three Speeds.

Change accomplished by Sliding Collar at right of Pinion-Feed Gears. Change of Speed obtained by Changing Crank from Fast to Medium or Slow Feed. Drills Holes up to 1¼ inches in Center of 34-inch Circle; Takes ⅝ inch Straight Shank Bits. Diameter of Chuck 3¼ inches; Saddle 5½ inches; Diameter of Table 16 inches; Run of Table 20 inches; Run of Feed 5½ inches; Diameter of Pinion 1¾ inch; Gear 7¾ inches; Oak Upright 46 inches long, 6 inches wide, 2 inches thick. Length over all 72 inches. Each

✚ No. 1208—For Hand Power only; without Pulleys; Weight 350 lbs. $62 00

✚ No. 1208P—For Power and Hand, with Pulleys, Size of Pulleys 8x3 inches; Weight 390 lbs. 68 00

TWO SPEED Hand and Automatic Feed. The Automatic Feed is Speeded Three to One.

Drills Holes up to 1¼ inches in the Center of a 36½ inch Circle. Takes Drills with 1¼ inch Straight Shank. Diameter of Spindle 3¼ inches. Size of Table 18x20 inches; Diameter of Table Post 3¾ inches; Run of Table 12 inches; Run of Feed 5½ inches; Diameter of Feed Wheel 14 inches, Length of Crank 10 inches; Bolted to Plain Oak Upright 62x6 inches. Length over all 88 inches.

Each

No. 1651—Hand Power only; Weight 1,150 lbs. $135 00

No. 1652—For Power and Hand, Diameter of Pulleys 8 inches, Weight 1250 lbs. 22 00

Loose

TWO SPEED—Automatic and Multi-Compound Capstand Lever Feed. The Automatic Feed is Adjustable to Four Speeds.

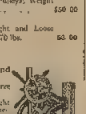
Change quickly accomplished by Sliding Collars; one arranged at Feed Head for changing from Lever to Automatic Feed or back. The other at or lower end of Fly Wheel Shaft, for change from slow to fast speed, or back.

Drills Holes up to 1¼ inches in Center of 36-inch Circle; Takes ⅝ inch Straight Shank Bits. Diameter of Chuck 3¼ inches; Spindle 5½ inches; Diameter of Table 16 inches, Run of Table 20 inches; Run of Feed 5½ inches; Diameter of Feed Wheel 14 inches; Bolted to Plain Oak Upright 62 inches long, 6 inches wide, Length over all 88 inches.

Each

✚ No. 1250—For Hand Power only; without Pulleys, Weight 250 lbs. $50 00

✚ No. 1252—For Power and Hand, with Tight and Loose Pulleys; Size of Pulleys 8x3 inches, Weight 370 lbs. 55 00



TWO SPEED—Automatic and Capstand Lever Feed.

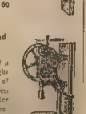
The Automatic Feed is Adjustable to Three Speeds.

Change accomplished by Sliding Collar at right of Pinion-Feed Gears. Change of Speed obtained by Changing Crank from Fast to Medium or Slow Feed. Drills Holes up to 1¼ inches in Center of 36-inch Circle; Takes ⅝ inch Straight Shank Bits. Diameter of Chuck 3¼ inches; Saddle 5½ inches; Diameter of Table 16 inches; Run of Table 20 inches; Run of Feed 5½ inches; Diameter of Pinion 1¾ inch; Gear 7¾ inches; Oak Upright 62 inches long, 6 inches wide, Length over all 88 inches.

Each

✚ No. 1251—For Hand Power only, without Pulleys, Weight 1100 lbs. 105 00

✚ No. 1250—For Power and Hand use of Pulleys 8x3½ inches, Weight 1150 lbs. 97 00



TWO SPEED—Hand and Automatic Feed

The Automatic Feed is Speeded Three to One

Drills Holes up to 1¼ inches to the Center of a 36-inch Circle. Takes Drills with 1¼ inch Straight Shank. Diameter of Spindle 3¼ inches, Diameter of Table 18 inches; Run of Table 12 inches; Run of Feed 5½ inches; Diameter of Feed Wheel 14 inches, Length of Crank 10 inches; Bolted to Plain Oak Upright 62x6 inches. Length over all 88 inches.

Each

No. 1652—For Hand Power only; weight, 980 lbs. $110 00

POST DRILLS
BUFFALO UPRIGHT; BALL BEARING

Oil Finished Cast Iron Frame, Gearing Wheels, Swing Table and Support, Polished Steel Drill Spindle, Table Post, Shafts, Axles and Chuck, Adjustable Steel Lever as Rear Handle, Case-hard Gears, Automatic Self Feed and Hand Feed, with Quick Return Lever for Quickly Withdrawing Drill Bit from Work.

A Steel Pin Spring Clutch is Used in Connection with the Automatic Feed, Avoiding the Use of a Lock Nut on Table on the Thread. Slotted Swing Table Adjustable Up and Down. Machined Gears, Milled Teeth. All Bearings are Bored and Reamed in the Solid Metal. Ball Bearings. Buffalo Improved Chuck.

TWO SPEED

No. 1651H—Hand and Automatic Feed Drill, The Automatic Feed Speeded Three to One; with Buffalo Improved Chuck. Drills Holes up to 1 inch to center of 12 inch Circle. Takes Drills with ⅝ inch Straight Shank; Diameter of Spindle 3¼ inches. Diameter of Table Post 3¾ inches; Diameter of Table 16 inches; Run of Table 9 inches. Run of Feed 5 inches. Length of Crank 10 inches. Drive of belt. Wheel 30 inches. Size of Belt Used 4½x1¼ inches. Weight 65 lbs. Each $44.00

TWO SPEED

No. 146—Hand and Automatic Feed Drill; Automatic Feed Speeded Three to One. Drills Holes up to 5/8 inch to the Center of a 12 inch Circle; Takes Drills with ⅝ inch Straight Shank; Diameter of Spindle 1¼ inches; Diameter of Table Post 1¾ inches. Diameter of Table 9 inches; Run of Table 9 inches. Run of Feed 3 inches. Length of Crank 10 inches. Diameter of Balance Wheel 18 inches. Diameter of Face Wheels 6 inches. Size of Belt Used 30x1¼ inches. Weight 63 lbs. . . . . Each $11.00

No. 245—Hand Feed Drill, without Fly Wheel, but with Buffalo Improved Chuck. Drills Holes up to 1 inch to Center of a 12 inches Circle. Takes Drills with ⅝ inch Straight Shank. Diameter of Spindle 1¼ inches. Diameter of Table 9 inches. Run of Table 9 inches. Run of Feed 3 inches. Length of Crank 10 inches. Diameter of Feed Wheel 6 inches. Size of Belt Used 30x1¼ inches; Weight 58 lbs. . . . . Each $8.00

HORIZONTAL DRILLS

BLACKSMITH TYPE

No. 53—Cast Iron Frame, Slide, Jaw Crank and Feed Wheel Polished Steel Feed Screw, Cut Threads, Hardened Handle. Large Takes Drills With No. 1 Taper Shank 9x3½ inch Drills Holes to the Center of 18 inch Circle. Length of Base 28 inches. Length of Crank 8 inches; Run of Feed 3 inches; Weight Each 28 lbs. . . . . Each $3 50

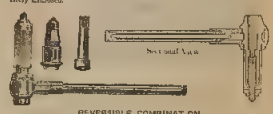
Loose

RATCHET DRILLS

For Drilling Iron or Steel by Hand, Used by Bridge Builders, Boiler Makers, Structural Iron Workers, etc.

KEYSTONE

Solid Steel Polished; Drop Forged Head and Frame; Cold Drawn Steel Tubular Handle with Steel Rod Running Through It, on which is a Direct Pawl and Coil Spring. The Reverse Motion is Obtained by Unlatching and Taking a Half-turn on Knob at End of Handle. No Drift Required as Feed Nut Disengages Drill or Sleeve Automatically on Being Turned Down. Nothing to Break or Get Out of Order, the Ratchet Being Entirely Enclosed.



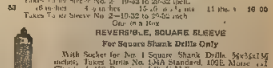
Section of Head

REVERSIBLE COMBINATION

Comprising Chuck of Socket for Regular Taper Shank Drills, a Sleeve for Square Shank Drills and a Short Bullet Head or Socket for Square Shank Drills. Sockets are Interchangeable.

Nos.	Length Handle	Regular Head	Taper Shank	Weight Each
51	12 inches	3¾ to 10-32	6 Sks.	$12 00
	Taper Socket or Sleeve No. 1—3/8 to 9/16 Inch			
53	14 inches	4⅜ inches	9½ lbs.	14 00
	Taper Socket or Sleeve No. 2—10-32 to 20-32 Inch.			
55	16 inches	5 to 15-32 inches	11 lbs.	16 00
	Taper Socket or Sleeve No. 2—10-32 to 20-32 Inch			

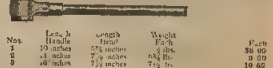
One in a Box



REVERSIBLE, SQUARE SLEEVE

For Square Shank Drills Only

With Socket for No. 1 Square Shank Drills 3/8x3/8x15/16 inches; Taper Shank No. 1 Standard, 1021 Morse, 111 Cleveland, 109 Detroit and Style M Syracuse.



REVERSIBLE BOILER SQUARE SLEEVE

For Square Shank Drills Only

With Socket for No. 2 Square Shank Drills, 7/16x7/16x1¾ inches Shank; Taper Shank No. 1014 Standard, 1016 Morse, 111 Cleveland, 109 Detroit and Style M Syracuse; Short Feed.

Nos.	Length Handle	Length Head	Weight Each	Ea
31	10 inches	3½ inches	7 lbs.	$9 50
33	14 inches	4⅜ inches	9 lbs.	11 00
35	16 inches	4¾ inches	10 lbs.	11 00

One in a Box

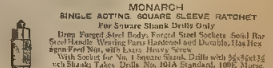
MONARCH

SINGLE ACTING SQUARE SLEEVE RATCHET

For Square Shank Drills Only

Drop Forged Head and Body. Forged Steel Sockets Solid for Steel Handle. Wearing Parts Hardened and Durable. Has Hex agon Feed Nut, with Large Heavy Screw.

With Socket for No. 1 Square Shank Drills with 3/8x3/8x15/16 Inch Shank; Taper Drills No. 1014 Standard, 1016 Morse, 111 Cleveland, 109 Detroit and Style M Syracuse



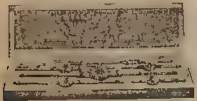
No.	Length Handle	Length Head	Weight Each	Ea
No. 30—	13 in. Handles	4¾ in. Head	Wt. 7 lbs.	$8 00
No. 32—	16 in. Handle	7 in.	wt. 9 lbs.	9 00
No. 50—	18 in. Handle	7 ¾ in.	wt. 11 lbs.	10 00

One in a Package

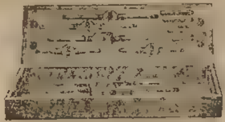
LITTLE GIANT SCREW PLATES

FULL STOCKED (A STOCK FOR EACH DIE)

Two Piece Adjustable Tool Steel Tempered Dies; Hardened Steel Solid Collets; Full Polished Steel Stocks and Tap Wrenches, with Knurled Handles; Tempered Steel Taps; Grained and Varnished Hardwood Case.



Sectional View of Die and Collet



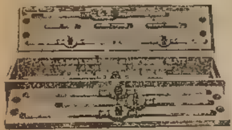
U. S. Standard Thread, Right Hand

No. 61—Contains a Stock for Each Die; One Adjustable Tap Wrench [illegible] Sets and Taper Taps. Diameter of Collets 2 [illegible] Weight per Set in Case 13 lbs. Per Set $16 80 12 00

Cuts, Inches	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Threads to Inch	20	18	[illegible]	[illegible]	12
Drill Size Nos.	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

No. 65—Contains a Stock for Each Die; [illegible] Tap Wrench [illegible] and Taper Taps [illegible] Weight per Set in Case [illegible] Per Set $25 20 18 00

Cuts, Inches	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Threads to Inch	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	11	10
Drill Size Nos.	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]



U. S. Standard Thread, Right Hand

No. 66—Contains a Stock for Each Die; One Adjustable Tap Wrench [illegible] inches Long, 7 Sets of [illegible] Collets and Taper Taps. Diameter of Collets [illegible] Weight per Set in Case [illegible] lbs. Per Set $32 80 [illegible] 00

Cuts, Inches	[illegible]	[illegible]	[illegible]	[illegible]	1
Threads to Inch	[illegible]	[illegible]	[illegible]	[illegible]	8
Drill Size Nos.	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

No. 67—Contains a Stock for Each Die; Two Adjustable Tap Wrenches 11½ and 20 inches Long, 9 Sets of Steel Dies, Collets and Taper Taps. Diameter of Collets 2¾ [illegible] Weight per Set in Case 40 lbs. Per Set $41 30 [illegible]

Cuts, Inches	¼	[illegible]	⅜	⁷⁄₁₆	[illegible]	[illegible]	[illegible]	1
Threads to Inch	20	18	16	14	[illegible]	[illegible]	[illegible]	8
Drill Size Nos.	12	D	N	S	[illegible]	[illegible]	[illegible]	[illegible]

U. S. Standard Thread, Right Hand

✠ No. 040—Contains a Stock for Each Die; Two Adjustable Tap Wrenches, 15 and 30 inches Long; 11 Sets of Stocks, Dies, Collets and Taper Taps; Weight per Set in Case 62 lbs. Per Set $65.80 47.00

Cuts, Inches	¼	⁵⁄₁₆	⅜	⁷⁄₁₆	½	⅝	¾	⅞	1	1⅛	1¼
Threads to Inch	20	18	16	14	13	11	10	9	8	7	7
Diameter of Collets, Inches	[illegible]	2½	2¾	2¾	2¾	3¾	2¾	4	4	4	4
Drill Size Nos.	12	D	N	S	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

All Above, One Set in a Case

Items Marked ✠ Not Carried in Stock, Can Only be Furnished by Shipping Direct from Factory, Greenfield, Mass.

LITTLE GIANT SCREW PLATES

SINGLE STOCKED

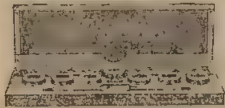
Two Piece, Adjustable Tool Steel Tempered Dies, Hardened Steel Solid Collets; Full Polished Stocks and Tap Wrenches, with Knurled Handles, Tempered Steel Taps, Grained and Varnished Hardwood Case.

U. S. Standard Thread Right Hand

No. 1—Contains One Stock 14 inches long; One Adjustable Tap Wrench [illegible] inches long; 5 Sets of Dies, Collets and Taper Taps. Diameter of Collets [illegible] inches. Weight per Set in Case [illegible] lbs. Per Set $16.80 12.00

No. 5—[illegible] Wrench [illegible] inches long; 7 Sets of Dies, Collets and Taper Taps; Diameter of Collets [illegible] inches; Weight per Set in Case 20 lbs. $25 30 [illegible]

One Set in a Case



U. S. Standard Thread Right Hand

No. 6—[illegible] 20 inches long [illegible] Sets of Dies, Collets and Taper Taps; Diameter of Collets [illegible] inches. Weight per Set in Case [illegible] Per Set $30 80 [illegible]

No. [illegible]—[illegible] One Stock 20 inches [illegible] and 20 inches long [illegible] Taps. Diameter of Collets [illegible] $35 70 [illegible]

One Set in a Case

SPECIAL SCREW PLATES SINGLE STOCKED

U. S. Standard Thread, Right Hand

No. 91—[illegible] Per Set $13 60 9 75

SINGLE STOCKED

No. 505—Contains One Stock 21 inches long; One Adjustable Tap Wrench 14½ ins. long; 7 Sets of Dies, Collets and Taper Taps; Diameter of Collets 1¾ inches. Weight per Set in Case 11 lbs. Per Set $18.20 13.00

Cuts, Inches	[illegible]	[illegible]	⅜	7/16	½	⅝	¾
Threads to Inch	[illegible]	[illegible]	16	14	13	11	10
Drill Size Nos.	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

DOUBLE STOCKED

No. 507—Contains Two Stocks 14 and 20 ins. long; One Adjustable Tap Wrench 14½ ins. long; 9 Sets of Dies, Collets and Taper Taps. Diameter of Collets 1¾ and 2¾ ins. Weight per Set in Case 19 lbs. Per Set $30 80 22 00

Cuts, Inches	¼	5/16	⅜	7/16	½	⅝	¾	⅞	1
Threads to Inch	20	18	16	14	13	11	10	9	8
Drill Size	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	⅝	47/64	27/32

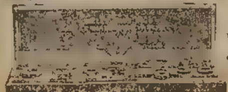
SINGLE STOCKED A. L. A. M. THREAD RIGHT HAND

No. A501—Contains One Stock 14 inches long; One Adjustable Tap Wrench [illegible] inches long; 5 Sets of Dies, Collets and Taper Taps. Diameter of Collets 1¾ inches, Weight per Set in Case, 8 lbs. Per Set $13 00 [illegible]

No. A505—Contains One Stock 21 inches long, One Adjustable Tap Wrench 14½ inches long; 7 Sets of Dies, Collets and Taper Taps. Diameter of Collets 1¾ inches. Weight per Set in Case 1[illegible] lbs. $18.20 13 00

Cuts, Inches	¼	5/16	⅜	7/16	½	⅝	¾
Threads to Inch	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	16
Drill Size	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

One Set in a Case



WITH TWO STOCKS

U. S. Standard Thread, Right Hand

No. [illegible]—[illegible] Tap Wrench [illegible] Collets and Taper Taps [illegible] Per Set $25 20 [illegible] 00

One Set in a Case

"DIAMOND EDGE IS A QUALITY PLEDGE"

LITTLE GIANT SCREW PLATES
WITH TWO STOCKS

Two Piece, Adjustable Tool Steel, Tempered Dies. Hardened Solid Steel Collets. Full Polished Steel Stocks and Tap Wrenches with Knurled Handles. Tempered Steel Dies. Grained and Varnished Hardwood Case

U. S. S. & Standard Thread, Right Hand

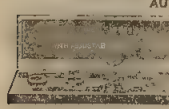
Per Set

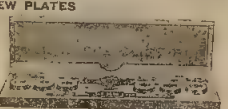
No. 50—Contains Two Stocks 25 inches Long; Two Adjustable Tap Wrenches 10½ inches Long; Set of Dies, Collets and Plug Taps. Weight per Set in Case 23½ lbs. $50.00

No. 56—Contains Two Stocks 21 inches Long; Two Adjustable Tap Wrenches 10½ inches Long; Set of Dies, Collets and Plug Taps. Weight per Set in Case 21 lbs. $40.00

Cuts, Inches	¼	5/16	⅜	7/16	½	9/16	⅝	11/16	¾	13/16	⅞	15/16	1
Threads to Inch	20	18	16	14	13	12	11	10	10	9	9	8	8
Collets, Inches	¼	5/16	⅜	7/16	½	9/16	⅝	11/16	¾	13/16	⅞	15/16	1
Drill Size Nos.	7	1	F	L	O	R	U	W	1-16	3-16	7-16	15-32	1-2

AUTOMOBILE SCREW PLATES





U. S. S. & E. STANDARD—SINGLE STOCKED

Per Set

No. 285—Contains One Stock 12½ inches Long; One Adjustable Tap Wrench 10½ inches Long; Set of Dies, Collets and Plug Taps. Weight per Set in Case 23½ lbs. $12.00

Cuts, Inches	¼	5/16	⅜	7/16	½	9/16	⅝
Threads to Inch	32	24	24	20	20	18	18
Collets, Inches	¼	5/16	⅜	7/16	½	9/16	⅝
Drill Size Nos.	3	F	I	L	O	R	U

Per Set

No. 308—Contains One Stock 24 inches Long; One Adjustable Tap Wrench 30 inches Long; 6 Taps, Dies, Collets and Plug Taps. Weight per Set in Case 2½ lbs. $60.00

Cuts, Inches	¼	5/16	⅜	7/16	½	9/16	⅝
Threads to Inch	32	24	24	20	20	18	18
Collets, Inches	¼	5/16	⅜	7/16	½	9/16	⅝
Drill Size Nos.	3	F	I	L	O	R	U

SPLIT DIE SCREW PLATES

Round, One Piece Adjustable Die 2 inch Diameter

Full Polished Steel Stock and Adjustable Wrench. Tempered Steel Dies. Varnished Hardwood Case with Plush Lined Top

WITH MACHINISTS HAND TAPS AND DIES

U. S. Standard

With One 6 Inch Stock and One Adjustable Tap Wrench

Per Set

No. DDS—Contains 5 Taps and Dies. ¼ to ⅝ inch. Weight per Set in Case 11½ lbs. $7.70 5.00

No. DDB—Contains 6 Taps and Dies. ⅛ to ⅝ inch. Weight per Set in Case 13½ lbs. $8.70 5.00

No. DDC—Contains 7 Taps and Dies. ⅛ to ⅝ inch. Weight per Set in Case 13½ lbs. $9.70 6.00

Tap Size, Inches	¼	5/16	⅜	7/16	½	9/16	⅝
Drill Sizes	40	31	24	20	18	14	11

Items Marked † Not Carried in Stock. Can Only be Furnished by Shipping Direct from Factory, Greenfield, Mass.

S. A. E. Standard

With One 6 Inch Stock and One Adjustable Tap Wrench

Per Set

No. DS—Contains 5 Taps and Dies. 4 to 10, 8 to 32, 10 to 24 Inch. Weight per Set in Case 13½ lbs. $6.70 5.00

No. DB—Contains 6 Taps and Dies. 4 to 10, 6 to 32, 10 to 24 Inch. Weight per Set in Case 13½ lbs. 7.70 5.75

No. DC—Contains 7 Taps and Dies. 4 to 10, 6 to 32, 10 to 24 Inch. Weight per Set in Case 13½ lbs. 8.70 6.61

Tap No.	4	6	8	10	12	14	16
Drill Size	21	27	18	5	1	3	A

EASY SCREW PLATES

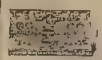
U. S. STANDARD THREAD. RIGHT HAND; 1-32 INCH OVER SIZE

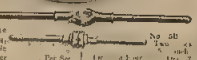
These Cuts show the Screw Plate, Die Stock and Tap Wrench Furnished with the Cases Shown and Described Below.

The Easy Screw Plate Die is Simple in Construction, Compact and of Neat Design.

The Die is Adjusted by a Taper-head Screw with a Taper Nut—this being Braced on Both Sides of the Die, Making it Perfectly Rigid and Solid.

The Best Material and Workmanship are used in their Construction



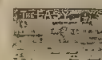


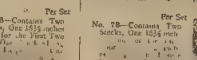
No. 15—Contains One Stock 15½ inches Long; One Electric Adjustable Tap Wrench; Weight per Set in Case 20 lbs. ..... Per Set $13 00 9.75

Cuts, Inch	¼	5/16	⅜	7/16	½
Threads to Inch	32	24	20	18	16

No. 35—Contains Two Stocks 15½ inches Long; One Electric Adjustable Tap Wrench; Weight per Set in Case 12 lbs. ..... Per Set $17 40 13.05

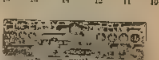
Cuts, Inch	¼	5/16	⅜	7/16	½	9/16	⅝
Threads to Inch	32	24	20	18	16	14	12





No. 65—Contains Two Stocks, One 15½ inches Long for the First Two Sizes, One 21 inches Long for the Larger Sizes; One Electric Adjustable Tap Wrench; Weight per Set in Case 15 lbs. ..... Per Set $20 00 15.00

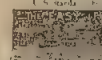
Cuts, Inch	¼	5/16	⅜	7/16	½	9/16	⅝	11/16	¾	13/16	⅞	15/16	1
Threads to Inch	32	24	20	18	16	14	12	11	10	9	8	8	8

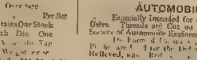


No. 75—Contains Two Stocks, One 15½ inches Long for the First Two Sizes, One 21 inches Long for the Larger Sizes; One Electric Adjustable Tap Wrench; Weight per Set in Case 15 lbs. ..... Per Set $25 00 18.75

Cuts, Inch	¼	5/16	⅜	7/16	½	9/16	⅝	11/16	¾	13/16	⅞	15/16	1
Threads to Inch	32	24	20	18	16	14	12	11	10	9	8	8	8

FULL MOUNTED



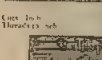


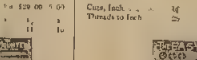
No. 61—Contains One Stock with each Die. One Electric Adjustable Tap Wrench; Weight per Set in Case 20 lbs. ..... Per Set $24 00 18.00

Cuts, Inch	¼	5/16	⅜	7/16	½
Threads to Inch	32	24	20	18	16

No. 55—Contains One Stock with each Die. One Electric Adjustable Tap Wrench; Weight per Set in Case 20 lbs. ..... Per Set $28 00 21.00

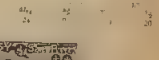
Cuts, Inch	¼	5/16	⅜	7/16	½	9/16	⅝	11/16	¾
Threads to Inch	32	24	20	18	16	14	12	11	10





No. 67—Contains One Stock with each Die, One Electric Adjustable Tap Wrench, Weight per Set in Case 30 lbs. ..... Per Set $32.00 24.00

Cuts, Inch	1/16	5/64	3/32	7/64	1/8	9/64	5/32	11/64	3/16	7/32	¼
Threads to Inch	30	28	26	24	22	20	18	16	14	12	10



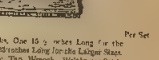
No. 45B—Contains Two Stocks, One 15½ inches Long for the First Four Sizes, One 21 inches Long for the Larger Sizes. One Electric Adjustable Tap Wrench; Weight per Set in Case 15 lbs. ..... Per Set $17 40 13.00

Cuts, Inch	¼	5/16	⅜	7/16	½	9/16	⅝	11/16	¾
Threads to Inch	28	24	24	20	20	18	18	16	16

AUTOMOBILE SCREW PLATES

Especially Intended for Automobile Manufacturers. Sizes are as Given. Threads are Cut on the S. A. E. Standard, Adopted by the Society of Automobile Engineers.

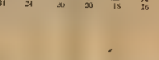
The Form of the Thread is Shown in the Illustration. All Taps are Machine Relieved, and Each Set is Provided with a Binding of Tough Leather.



Per Set

No. 41B—Contains One Stock 15½ inches Long; One Electric Adjustable Tap Wrench; Weight per Set in Case 8 lbs. $13 00 9.75

Cuts, Inch	¼	5/16	⅜	½
Threads to Inch	32	24	20	16



Per Set

No. 45B—Contains Two Stocks, One 15½ inches Long for the First Four Sizes, One 21 inches Long for the Larger Sizes. One Electric Adjustable Tap Wrench; Weight per Set in Case 15 lbs. $17 40 13.00

Cuts, Inch	¼	5/16	⅜	7/16	½	9/16	⅝	11/16	¾
Threads to Inch	28	24	24	20	20	18	18	16	16

All Above, One Set in a Case.

"DIAMOND EDGE IS A QUALITY PLEDGE"

PIPE STOCKS AND DIES

ARMSTRONG ADJUSTABLE

For Threading Pipe and Fittings

Japanned Malleable Iron Stock; Tubular Wrought Steel Handles; Tempered Tool Steel, Two Piece Dies. The Dies are Adjustable in the Stock to Meet Any Irregularity in Size of Fittings They have Double Taper at the Entering Threads and Will Start Without Filing or Pressure. Dies Can be Sharpened without the Necessity of Returning them to the Makers.

WITH SINGLE END DIES. RIGHT HAND THREADS

		Per Set
No. A1	Four Dies and Two Handles; Threads Pipe ⅛, ¼, ⅜ and ½ Inch; Length 21 inches; Weight 25½ lbs.	$4 00 9.00
No. A2	—as No. A1 exc. Dies Thread Pipe ¼, ⅜, ½ and ¾ Inch, Length 23½ inches; Weight 29 lbs.	6 00 12 00
No. A3	—Three Dies and Two Handles; Threads Pipe 1, 1¼, 1½ and 2 inch; Length 37 inches; Weight 56 lbs.	10 00 22 00
No. A4	—Four Dies and Two Handles; Threads Pipe 2, 2½, 3 and 3½ Inch; Length 47 inches; Weight 98 lbs.	13 00 24 00

One Set in a Wood Box

WITH DOUBLE END DIES. RIGHT HAND THREADS

Each Die Threads Two Sizes of Pipe

		Per Set
No. A5—	Two Sets of Dies and Two Handles; Threads Pipe ⅛, ¼, ⅜ and ½ Inch, Length 37 inches, Weight 50 lbs.	$8 00 15 00
No. A6—	One Set of Dies and Four Handles; Threads Pipe 2½ and 3 inch, Length 78 inches; Weight 70 lbs.	26 00 40 00

LITTLE GIANT

SINGLE STOCKS AND DIES

Sectional View of Stock Guide and Die

Cut Shows Pawl on Dies

Each Size Die has a Stock and Guide of Suitable Length and Weight. In this Way the Annoyance of Removing and Adjusting Dies is Done Away with.

Two Piece, Adjustable Tempered Tool Steel Dies; Full Polished Stocks with Knurled Handles

	Right Hand		Each
No. 80—	⅛ in., Length 9 in.	Wt. 2½ lbs.	$2.50 1.75
No. 81—	¼ in., Length 13½ in.	Wt. 3 lbs.	2.50 1.75
No. 82—	⅜ in., Length 23 in.	Wt. 4 lbs.	3.00 2.00
No. 83—	½ in., Length 25 in.	Wt. 6 lbs.	3.00 2.00
No. 84—	¾ in., Length 32 in.	Wt. 8 lbs.	4.00 3.00
No. 85—1	in., Length 38 in.	Wt. 8½ lbs.	4.00 3.00
No. 86—1¼	in. Length 41 in.	Wt. 10 lbs.	6.00 4.50
No. 87—1½	in. Length 46 in.	Wt. 15 lbs.	7.00 5.50
No. 88—2	in. Length 52 in.	Wt. 18 lbs.	10.00 7.25

One in a Box

PIPE THREADS TO THE NOM AND PIPE TAP OR LIB

Giving the Size of Twist Drill to be Used in Boring Holes to be Reamed with Pipe Reamer and Threaded with Pipe Tap

Pipe Size, In.	⅛	¼	⅜	½	¾	1	1¼	1½	2	2½	3	3½	4
Threads to In.	27	18	18	14	14	11½	11½	11½	11½	8	8	8	8
Size Twist Drill	3/32	7/32	A	21	11	17/64	1/4	27/64	17/32	35/64	11/16	49/64	7/8

DIES

For Armstrong Adjustable Pipe Stocks

No. A8D—For Pipe Stocks No. A2

Size, Inches	⅛	¼	⅜	½	¾	1
Threads to Inch	27	18	18	14	14	11½
Each	$1.50	1 80	1 80	1.80	1.80	1 80
	1 80	1 80	1 80	1 80	1 80	1 80

No. A9—D For Pipe Stocks No. A3½

	Single End		Double End	
Size Inches	¼, ⅜	½	½, ¾	1, 1¼, 1½
Threads to Inch	18	14	14	11½
Each	$2.25	2.25	2.25	2.25
	2.00	2 00	2 00	2 00

No. A10—For Pipe Stocks No. A3

Size, Inches	¼	⅜	½	¾	1
Threads to Inch	18	18	14	14	11½
Each	$4 00	4 00	4 00	4 00	4 00
	3.00	3 00	3 00	3 00	3.00

Loose

BUSHINGS

For Armstrong Adjustable Pipe Stocks

No. A11—For Pipe Stocks No. A2

Size, Inches	⅛	¼	⅜	½	¾	1
Each	30 25	25	25	25	25	25
	20	20	20	20	20	20

No. A11½B For Pipe Stocks No. A3½

Size, Inches	⅜	½	¾	1	1¼
Each	$0 40	40	40	40	40
	30	30	30	30	30

A31. For Pipe Stocks No. A3

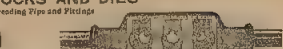
Size, Inches	¼	1	1¼	1½	2
Each	$0.50	50	50	50	50
	.40	40	40	40	40

Loose

PIPE STOCKS AND DIES

For Threading Pipe and Fittings

LITTLE GIANT, ADJUSTABLE



Top View

Japanned Malleable Iron Stock, with Tubular Steel Knurled Handles Screwed in Sockets; Two Piece, Adjustable, Tempered Tool Steel Dies; Dies Can be Resharpened without Sending them to the Makers.

This Style Stock and Dies has the Advantage of Only Having One Stock to Carry for Seven Sizes of Dies, and also of not Having to Change the Dies Each Time a Different Size is to be Used.

Right Hand

		Per Set
No. 210—	One Stock with Three Dies Threads Pipe ⅜, ½ and ¾ Inch; Length 26 Inches; Weight 10 lbs.	$8 00 9 00
No. 220—	One Stock with Two Dies Threads Pipe 1 and 1¼ Inch; Length 28 inches, Weight 12 lbs.	9 00 9 25

One Set in a Package

WALWORTH

Japanned Malleable Iron Stock with Brass Top Plates; Polished Tubular Steel, Detachable Handles. Tempered Tool Steel Solid Dies; Bridge Staggered Thread.

Size	W0	W1	W1½	W2½	W3
Threads to Inches	⅛ to ¼	⅛ to 1	¾ to 1¼	1 to 1½	1½ to 2
Number in Dies	4	3	3	3	3
Length, Inches	20	25	33	45	61
Weight, Lbs	9	14	23	37	58
Per Set	10 50	12 00	15 00	19 50	30 00
	8.70	9.50	9.30	9.30	9 30

One Set in a Box

TAPS, DIES AND COLLETS

LITTLE GIANT

For Bit Braces

Polished Cast Steel Collets; Tempered Tool Steel Die and Top Adjustable Die. Length of Collet 2½ inches.

V Thread, Rough Iron Stock. Right Hand

Size, Inches	⅛	¼	⅜	½
Threads to Inch	27	18	18	14
Weight Complete, Lbs	1¼	1½	1¾	2¼
Per Set	$3 50	3 80	3 90	4 70

One Set in a Box

LITTLE GIANT SCREW PLATE DIES

One Pair

Polished and Tempered Tool Steel

No. 42A—TWO PIECE ADJUSTABLE

U. S. Standard Thread, Right Hand. Rough Iron Size

Size, Inches	Threads to In.	Wt. Each	Per Pair
A	24, 20, 32	2 ozs.	$1 50 1 00
B	20	2 ozs.	1 50 1.00
C	18	2 ozs.	1 50 1 00
D	16	2 ozs	2 00 1 25
E	14	2 ozs	2 00 1 25
F	12 13	1 ozs.	2 75 1 50
G	11	1 ozs.	3 75 2 25
H	10	4 ozs.	4 25 2 75
I	9	4 ozs	5 00 2 50
J	8	4 ozs	5 00 2 75
K	7	4 ozs	5 00 2 75

Loose

Items Marked ✱ Not Carried in Stock Can Only be Furnished by Shipping Direct From Factory F. O. B. Greenfield, Mass.

LITTLE GIANT PUMP MAKERS

For Threading Pump Rod

Two Piece, Adjustable, Tempered Tool Steel Dies. Polished Steel Stock Tube or Rod Type Handle.

The Wedge Between Nuts and Between Dies Forces the Bevel of the Dies to the Wedge Tightens, so Dies are Held Rigidly in Place. Per Set

No. 250—	One Stock and Two Dies, Threading Pipe 2¼ and 2½ V Threads, 27 inch Over Size, Weight per Set	$4 00 3 25
20 lbs.		

One Set in a Package

PIPE DIES

REED C & E

Briggs' Standard Thread

Fits Walworth and all Standard Stocks of Pipe Stocks. High Grade, Tempered and Machined Tool Steel.

For Stock	Pipe Size	No.	Each Right Hand
0	⅛, ¼	1½	$2 00 1 50
1	⅛, ¼, ⅜, ½	2	2 00 2 00
2½	¼, ⅜, ½, ¾	3	3 50 2 75
2	¾, 1	4	3 50 3 50

Weight of Size 0 ... Size 1, 2 oz. Size 2, 12 oz. Size 3, 2 lbs. Size 4, 2 lbs.

In ordering state Size, Pipe Size and Right Hand or Left Hand

Loose

ROUND ADJUSTABLE SPLIT

Diameter of Cut 1⅛ inch. Thickness ¼ inch

✱No. MSD—	MACHINISTS HAND TAP & DIE.	U. S. Standard
Size, Inches	¼	5-32	3-16	7-32	⅜	3-32	5-16
Threads to Inch	40	36	32	28	24	20	18
Each, All Sizes	$0 54 0 40						

Weight, Each About 3 oz.

✱No. MSD—	MACH NE SCREW SIZE	A. S. M. E. Standard
Size, Screw Gauge No.	4	6	8	10	12	14
Threads to Inch	40	32	32	24	24	24
Each, All Sizes	$0 54 0.40					

Weight Each About 3 oz.

PIECED TINWARE

MUFFIN RINGS

IC Tin.

Nos.	2½	3	
Inches	2⅛	2	
Per Gross	$....	....	

One Dozen in a Package.

No. 128—IC Tin.

Inches	2⅛	3	3½
Per Gross	$....	...	..

One Dozen in a Package.

SOUP STRAINERS

IC, Perforated Tin Bottom.

Nos.	10	20	
Inches	5¾	8	
Per Gross	$....	....	

One Dozen in a Package.

RING HANDLE SCOOPS

IC Tin.

Nos.	03	03½	04
Inches	3	3⅛	4
Per Gross	$....	....	....

One Dozen in a Package

STEAMERS

IC, Stamped and Rimmed Cover.

Nos.	70	80	90
Inches	9⅛	10⅛	11¼
Per Dozen	$....	....	....

One Dozen in a Case

TEA STEEPERS

IC Tin, Tin Handle.

Nos.	0	1
Quarts	½	1
Inches	3⅝x3⅛	4⅝x3¼
Per Dozen	$..	.

MILK STRAINERS

CHAPMAN

The sieves of these strainers are adjustable and can be used for all kinds of straining.

They can be easily removed, cleaned and replaced.

There is nothing that can get out of order

No. 2 with Cheese Cloth Attached

	Per Dozen
No. 1—12 in. Bowl, 5 in. Strainer, Adapted to the Use of Large Dairies, Complete with 2 Sieves, 40 and 60 Mesh and a Wire Fastener to Hold Same in Strainer	$.....

	Per Dozen
No. 2—11 in. Bowl, 4 in. Strainer, for Household Purposes for which a Medium Sized Strainer is Used, Such as Fruit, Paint, Vinegar, Lard, Etc	$.. .

T. S. W.

	Per Dozen
No. 176—IX Tin, Plain, Strongly Constructed, 12 in. Diameter, Brass Strainer in Bottom	$....

TIN MOULDS

BRICK ICE CREAM

No. 10B—Tin, Single Lid.

Nos.	1B	2B	3B	4B	5B
Pints	1	2	3	4	5
Per Dozen	$				

SAVARIN

Round.

Nos.	7	8	9	10
Inches	2¾	3¼	3½	4
Per Dozen	$			

PLAIN PUDDING

With Tube and Cover.

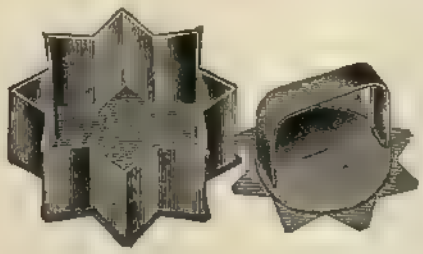
Nos.	1P	2P	3P
Quarts	2	3	4
Per Dozen	$		

FLUTED PUDDING

With Tube and Cover.

Nos.	1F	2F	3F
Quarts	1½	2	3
Per Dozen	$		

SPINACH



Heavy Tin, Loose Bottom.

Nos.	1S	2S
Inches	5½x2¾	8¼x3
Per Dozen	$	

OVAL DE RUSSE

Double Seamed Body and Bottom, Wired Top Edge.

Nos.	0R	1R	2R
Inches	3¾x2½x1½	4¼x2¾x1⅝	4½x3x2
Per Gross	$		
Nos.	**3R**	**4R**	**5R**
Inches	5½x3⅛x2	7x4½x2½	7½x5x2¾
Per Gross	$		

CROQUETTE

Plain Tin.

Shapes	Round	Diamond
Per Dozen	$	

MELON

Oval, Retinned.

Nos.	1M	2M	3M
Pints	1	2	3
Per Dozen	$		
Nos.		4M	5M
Pints		4	5
Per Dozen		$	

MOULDS

ROUND TIN TIMBALE

Nos.	0R	1R
Inches	1¾x1⅝	2x1¾
Per Gross	$....	....

Nos.	2R	3R
Inches	2½x2	3x2½
Per Gross	$....	....

HEXAGON TIN TIMBALE

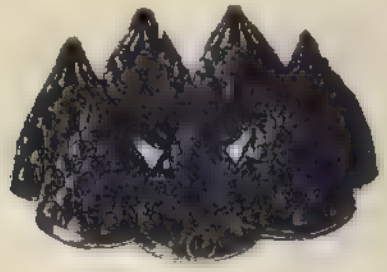
Nos.	50	60
Inches	2x1¾	2¼x2
Per Dozen	$....	....

TIN TIMBALE

On Pans.

Nos.	0	1
Per Dozen Pans	$.....	....
Nos.	2	3
Per Dozen Pans	$.....	....

ROUND TIN BORDER

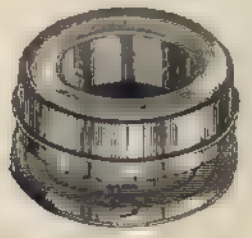


Style 210.

Nos.	1	2	3
Inches	7½	8	9
Per Dozen	$....	....	....

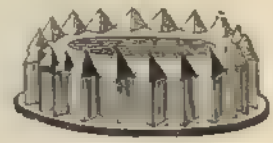
No. 77—With Cover.

Inches	6	7	8	9
Each	$....	....	....	....



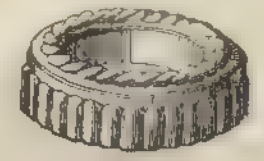
No. 3342—With Cover.

Inches	7	8	9
Per Dozen	$....	....	....



Style 7.

Nos.	1	3
Size, Inches	7	8
Each	$....	....

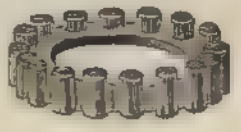


Style 653.

Nos.	1	2	3	4
Size Inches	6	7	8	9
Each	$....	....	....	....

Style 48.

Nos.	1	3	4
Size Inches	7	8	9
Each	$..	....	....



Style 54.

Nos.	1	3
Size, Inches	7	8
Each	$....	....

Style 146.

Nos.	1	3	4
Size, Inches	7	8	9
Per Dozen	$..	....	....

TIN JELLY MOULDS

Style No. 280—Round.

Inches	4¾	5¾	6½
Per Dozen	$		

Style No. 281—Oval.

Inches	5	6	7
Per Dozen	$		

Style No. 19.

Length, Inches	5¼
Per Dozen	$

Style No. 325.

Length, Inches	2¾
Per Dozen	$

Style No. 170

Diameter, Inches	5¾
Per Dozen	$

Style No. 150.

Length, Inches	6½
Per Dozen	$

Style No. 10.

Length, Inches	6½
Per Dozen	$

Style No. 11.

Length, Inches	7½
Per Dozen	$

Style No. 34.

Diameter, Inches	7
Per Dozen	$

Style No. 20.

Diameter, Inches	7
Per Dozen	$

Style No. 82

Diameter, Inches	5¼
Per Dozen	$

Style No. 80.

Diameter, Inches	6
Per Dozen	$

Oval.

Pints	½	1	1½
Per Dozen	$		
Pints	2	3	4
Per Dozen	$		

Style No. 42.

Diameter, Inches	5½
Per Dozen	$

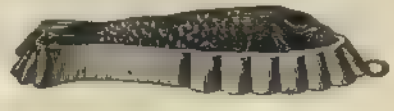
Style No. 39.

Length, Inches	8½	10½
Per Dozen	$	

Nos.	810	811	812
Diam., Inches	4½	5½	6
Per Dozen	$		

Style No. 17.

Length, In.	8	9	11	13
Per Dozen	$			



Style Curved.

Length, Inches	11	12
Per Dozen	$	

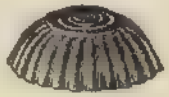
INDIVIDUAL TIN JELLY MOULDS

Style	2260
Diameter, Inches	2
Per Dozen	$ ..

Style	86
Length, Inches	2¾
Per Dozen	$.

Style	2238
Diameter Inches	3
Per Dozen	$....

Style	2259
Diameter Inches	2¼
Per Dozen	$....



Style	2006
Diameter, Inches	2¾
Per Dozen	$ . .

Style	549
Diameter, Inches	2½
Per Dozen	$.. .

Style	428
Diameter, Inches	2¼
Per Dozen	$....

Style	66
Diameter, Inches	2⅜
Per Dozen	$....

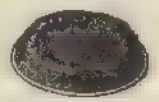
Style	2038
Diameter, Inches	3½
Per Dozen	$....

Style	454
Diameter, Inches	2⅜
Per Dozen	$ ..

Style	256
Diameter, Inches	2¾
Per Dozen	$...

Style	2281
Diameter, Inches	3⅛
Per Dozen	$ ...

Style	68
Length, Inches	4¾
Per Dozen	$.



Style	2037
Diameter Inches	3
Per Dozen	$....

Style	586
Diameter Inches	2¾
Per Dozen	$ . .

Style	31
Length, Inches	4¼
Per Dozen	$....

Style	2014
Diameter, Inches	2¾
Per Dozen	$.

Style	508
Diameter, Inches	2⅝
Per Dozen	$. ..

INDIVIDUAL TIN JELLY MOULDS

Style 310
Diameter, Inches 3½
Per Dozen ..... $....

Style 1171
Diameter, Inches 3¼
Per Dozen ..... $....

Style 108
Diameter, Inches 3
Per Dozen ..... $....

Style 106
Diameter, Inches 3
Per Dozen ..... $....

Style 103
Diameter, Inches 2¾
Per Dozen ..... $....

Style 104
Diameter, Inches 2¾
Per Dozen ..... $....

Style 107
Diameter, Inches 2¾
Per Dozen ..... $....

Style 109
Diameter, Inches 2⅝
Per Dozen ..... $....

Style 309
Diameter, Inches 2⅝
Per Dozen ..... $...

Style 105
Diameter, Inches 2½
Per Dozen ..... $....

Style 111
Diameter, Inches 2⅝
Per Dozen ..... $....

Style 425
Diameter, Inches 1½
Per Dozen ..... $....

Style 557
Diameter, Inches 2
Per Dozen ..... $....

Style 669
Diameter, Inches 1⅞
Per Dozen ..... $....

TIN BABA MOULD

Style 8303
Diameter, Inches 2½
Per Dozen ..... $....

TIN JELLY OR TIMBALE

Style No. 872.
Diameter, Inches 2
Per Dozen ..... $....

2½
....

LAWN MOWERS

*DIAMOND EDGE—BALL BEARING

GUARANTEE

DIAMOND EDGE Mowers are guaranteed against breakage in transit. We replace any part that breaks on account of flaw or other imperfections.

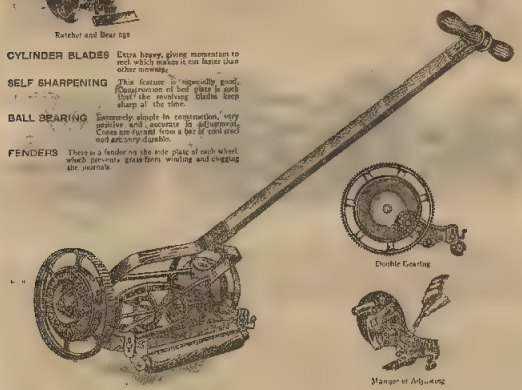
Ratchet and Bear ngs

CYLINDER BLADES Extra heavy, giving momentum to reel which makes it cut faster than other mowers.

SELF SHARPENING This feature is especially good. Construction of bed plate is such that the revolving blades keep sharp at the time.

BALL BEARING Extremely simple in construction, very positive and accurate in adjustment. Cones are formed from a bar of tool steel and are very durable.

FENDERS There is a fender on the side plate of each wheel which prevents grass from winding and clogging the journals.



Double Gearing

Manner of Adjusting

*DIAMOND EDGE—BALL BEARING

Ball Bearings: High Wheels, Self Sharpening; Gold and Seiger Reversible Blue and Crimson Trimmed

Ball Bearing Reel—With Five Extra Heavy and Wide Crucible Steel, Oil Tempered Blades, Self Sharpening. This Additional Width and Weight Gives Greater Momentum. Therefore it Cuts More Easily, and with Less Exertion than Other Machines. In Accurate Spacing and Light Running The Blades do Not Touch the Spur Reel Bearers do not come in contact with the Shear Cut. Result when the Reel Touches an Obstruction it Rebounds and in so Doing Does Not Throw the Obstruction Out of Line with the Cutting Bar.

Frame—Reliance Cast Iron Wheels Side Plates, Gear Castings and Adjustable Bed Plate, Strongly Braced and Reinforced, Malleable Iron Adjustable Bed Plate with Crucible Steel, Oil Tempered Cutting Bar. Malleable Iron Adjustable Roller Brackets. On the Inside of Each Wheel There is a Grass Shield which Revolves Direct to Keep Grass, Etc., from Winding Around the Axle.

Gears—Heavy Cast Iron Wheel Gearing, Steel Ball Bearing Box Axle Inside Geared, on Both Sides of Wheel. Enclosed Gear and Double Sliding Steel Pin Ratchet. Double Screw Adjustment for Gears and Pin Retainer. Steel Cross Shaft Roller with Steel Rod Axle. Best Steel Handle Bolts.

Handle—Made of Straight Grained Varnished Hardwood with Cross Bar Set in Malleable Iron Bracket and Bolted.

With Five Reel Knives 1¾ inches Wide; Diameter of Reel 6 inches; Diameter of Drive Wheels 30 inches; Front Bar 1¼ inch, Rear Axle ⅝ inch; Adjustable to Cut Grass to Lengths of ½ to 1 inch. Cuts Grass Standing 7 inches High.

Width of Cut, Inches	15	17	19	21
Extreme Width, Inches	20½	22½	24½	26½
Weight Each Boxed, Lbs.	62	64	66	70
Each	$15.50	17 50	19 50	$21.50

One in a Box. Handles, Half Dozen in a Bundle

Extra Parts for Lawn Mowers Not Carried in Stock Can Only Be Furnished by Shipping Direct From Factory

Use Diamond Oil and *DIAMOND EDGE* Lawn Mower Paste

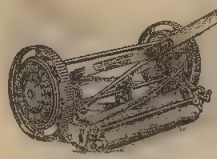
LAWN MOWERS

DIAMOND EDGE JUNIOR—BALL BEARING

High Wheel—Four Blade Reel

Bed Plate Adjustment

Ratchet and Bearings



Bed Plate Adjustment

This Machine is made in the Same High Class Material as Used in Our *DIAMOND EDGE* and is in every respect Equal in Quality. It is Fitted with the Same Style Dead Knife, the One Having the Raised edge and Giving a Clearance Back of the Edge which Prevents the Dead Knife from Becoming Dull, and this in connection with the Revolving Blades of Hardened and Tempered Crucible Steel, Results in giving the User a Self Sharpening Mower that should run in Domestic Use not less than a dozen Years without Requiring other attention than an occasional Tightening up of the Stationary or Bottom Knife.

The Machine is Fitted with 9 inch Spoked Wheels with Closed Center Protecting the Working Parts from Accumulation of Trash and Dirt. The Handle is the same as used in our Regular *DIAMOND EDGE* Machine, the Crossbar being Reinforced with Iron Braces. The Machine is Light and Strong and will Prove a Fit Companion for the well known *DIAMOND EDGE*.

Handle and Roller are of Straight Grained Hardwood, Highly Lacquered and Varnished.

Diameter of Drive Wheels 9 inches. Diameter of Reel 5 inches. Four Reel Knives, Width of Reel Knives 2 inch. Front Bar ¾ inch, Rear Axle ½ inch. Adjustable to Cut Grass ¾ to 1¾ inches. Cuts Grass Standing 8 inches High.

Handsomely Finished in Aluminum Gold and Red.

Width of Cut, Inches	14	16	18
Extreme Width, Inches	19	21	23
Weight each Boxed Lbs.	47	50	53
Each	$11 50	12 50	13 50

One in a Box, Handles, Half Dozen in a Bundle

Extra Parts for Lawn Mowers Not Carried in Stock, Can Only Be Furnished by Shipping Direct from Factory

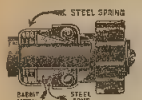
Use Diamond Oil and *DIAMOND EDGE* Lawn Mower Paste

"DIAMOND EDGE IS A QUALITY PLEDGE"

LAWN MOWERS

*NORLEIGH DIAMOND—BALL BEARING

HIGH WHEEL—FIVE BLADE REEL



Automatic Ball Bearing Adjustment

Cut shows Side View of Stationary Cutter Bar and Shaft Lift

SELF SHARPENING

The Construction of the Crucible Steel Reel Knife is such that it continuously Sharpens itself against the Revolving Blades until it is completely worn Flat.

This Self Sharpening feature alone is worth its cost to the User as it saves the expense of having the Blades Resharpened.

Reel Plate Adjustment

Finish—Gold Bronze Decorated in Empire Red

The Wheels, Side Plates and Cutter Bar Ends are given a fine Coat of Gum Asphaltum Japan, and all Metal Points are Thoroughly Straightened and Reinforced in Order that there be no Excessive Weight Throughout the Carriage, which is so Detrimental to Good Mechanical Construction. Malleable Iron Rear Braces and Roller Brackets.

Frame—All Connecting Points and Bearings Perfectly Machined. A Second Cut is Taken on Each Operation to Insure Exact Dimensions to the 30th Part of an Inch. Shoulders are Milled on the Ends of the Steel Shafts Reel and Recesses are Milled in the Ends of the Cutter Bar. The Distance from Face Shoulder to the Center on the Right Reel is Precisely the Same as Given to the Ends of the Cutter Bar. Thus the Machine is "Face squared" and in Perfect Alignment able to Withstand the Hardest Service and Further Coupling Not Need.

Automatic Ball Bearing Adjustment—This is the Most Important Invention of Recent Years in Lawn Mower Construction. It Consists of a Hardened Steel Spring Working against a Collapsible Babbitt Sleeve around the Shaft and Inside Cone. At the Instant all Looseness is Taken Up the Sleeve Collapses on the Shaft thus Preventing any Further Vacant Motion, or Need for Future Adjustment so that the Reel will also Run Level Throughout the Life of the Blades. The Adjustment Continues Automatic for Years, thus Insuring the Best Operation always. Additional Ball Bearings are Used to Support the Weight on the Reel Shaft. Operating on the Sense of Touch can be any Two Inside Nuts Set Tight. Adjustment is Easy Always for the Adjustment Is to Become the Rule of Good Mowers by those who do not Understand. While the Diamond Device Is Fool Proof in Construction It is Completely Enclosed so that an Ignorant Operator can not Get at It even Though He Tries to Do So. Never Needs Oiling. Always Ready for Service

The Ball Bearing Cones are of High Speed Steel, Tempered Under a Secret Process and Guaranteed not to Show the Slightest Wear During the Life of the Mower. The Bearing is Formed by Inserting Steel Balls in a Cone Having a Steel Track, which Rotates Through a Set of Steel Balls. Simple, but Most Powerful and Durable Method in Existence. Ground on Each Cone.

Five Extra Heavy Cutting Knives of Finest Crucible Steel, Oil Tempered, Shear Cut, **Self-Sharpening** and Ground Under Water by the Same Process Used in the Manufacture of the Best Cutlery.

Patented Spring Adjusting Cutter Bar. Five Wheels. Inches Diameter of Rear Wheels. Reel Shaft Inch. Adjustable to Cut Grass to Lengths of 5-16 to 1 1/2 inches. Cuts Grass Standing 6 to 7 Inches High.

Hard Maple Handle and Roller, Carefully Shellacked and Varnished.

Width of Cut, Inches	14	16	18	20
Extreme Width, Inches	20 1/4	22 1/4	24 1/4	26 1/4
Weight, Each Boxed, Lbs	65	68	71	75
Each	$12 00	14.00	15.00	18 00

One in a Box. Handles Half Dozen in a Bundle

Extra Parts for Lawn Mowers Not Carried in Stock; Can be Furnished Only by Shipping Direct from Factory

Use Diamond Oil and *Dixpyd Edge* Lawn Mower Paste

Cut shows Ball Bearing Driving Wheel

Cut shows Gear

LAWN MOWERS

*FOREST PARK DOUBLE BALL BEARING

HIGH WHEEL—FIVE BLADE REEL

Reel Plate Adjustment

Cut shows Cutter Bar Adjustment

Cut shows Ball Bearing on Reel Shaft

Thoroughly Made with Ball Bearing Driving Wheels, as well as Ball Bearing Reel, this Device on an Easy Running Mower and One in which the Wear can be taken Care of Accurately. The Drive Wheels are 10 1/2 inches high, of the Open Spoke Pattern and have a Set of Ball Bearings on Each Side of Both Wheels. The Wear in the Wheels can be Taken Up by a Simple and positive Adjustment.

The Ball Bearing Parts are Covered with a Cup to Protect them from Dirt and Grass.

The Reel has Five Crucible Steel Oil Tempered, Extra Heavy and Wide Plates and Malleable Iron Reel Heads.

The Cones Used in Both the Wheels and Reel are Made from Bar Tool Steel.

The Cutter Bar is Adjustable and the Method of adjusting is Simple and Reliable.

The Front Cross Bar and Reel Shaft are Made of Cold Rolled Shafting.

The Machine is Geared on Both Sides and has Double Steel Sliding Pin Pinions. Steel Ball Bearing Cup with Ball Retainer Securely Set in the Reel Heads and Tempered Steel Cones Inserted in the Side Plates of the Machine. One of the Cones is Made with Four Holes, into which a Wrench can be Placed to take up any Lost Motion of the Reel Shaft. Adjustable Wood Roller. Weight Steel Handle Braces 31 1/2 Inches Varnished Hardwood Handle with Cross Bar Set in Extra Heavy Malleable Iron Bracket and Bolted.

Width of Cut, Inches	14	16	18	20
Extreme Width, Inches	20 1/4	22 1/4	24 1/4	26 1/4
Weight, Boxed, Lbs	66	69	73	76
Each	$13.50	14.00	15.50	16.50

One in a Box. Two in a Bundle

Extra Parts for Lawn Mowers Not Carried in Stock, Can Only Be Furnished by Shipping Direct from Factory.

Use Diamond Oil and *Dixpyd Edge* Lawn Mower Paste

DIAMOND EDGE IS A QUALITY PLEDGE

LAWN MOWERS

*PATHFINDER—BALL BEARING

Ratchet and Bearing

Statements Real Adjustable Concave Steel Bed Blades and Adjustable Cutter Bar Material of Best Grade Open Hearth Steel. Heavy Cast Iron Wheels Steel Plates All Castings of Malleable Iron. Steel Rear Bar Spring Attached to Handle Supporting Roller on Each Side Head with Tempered Steel Cross Journal to Which Plates Are Attached Chain One of the Cheapest Made with a Short Hook on which a Wrench Can be Used to Take up any Lost Motion in the Steel Shaft. Double Geared Drive Ball Bearing Ratchet Which Allows the Blade Wheels to Run Backward when Desired. Handle Bars Selected Hardwood Handle with Grips Put On in a Manner That Will Not Split or Work Loose Handle Bracket and Braced.

*PATHFINDER BALL BEARING

Recommended as a First Class Medium Priced Ball Bearing Mower.

High Wheel—Four Blade Reel

Cuts 4 Inches Wide

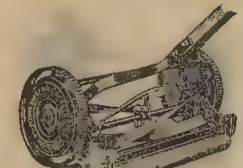
Diameter of Wheels 9 inches Diameter of Reel 8 inches Width of Blades 3 7/8 inch Reel Saves Fuel Fits Any Walk

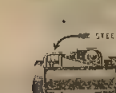
Adjustable to Cut Grass of Lengths 3/4 to 1 1/4 inches. Cuts Grass Standing Two 6 inches High.

Width of Cut, Inches	14	16	18	20
Extreme Width, Inches	20 1/4-15	22 15-16	24 1/4-18	26 1/2-20
Weight Boxed, Lbs.	55	57	60	62
Each	$8 50	9 00	9 50	10 00
Doz.				

One in a Box Handles Half Blades to a Handle

*RUGBY BALL BEARING





Automatic Ball Bearing Adjustment

*RUGBY BALL BEARING

High Wheel, Four Blade Reel

Finish—Steel Body Gold Wheels Decorated in Light Green. A Medium Priced Mowing Machine of Medium Weight and Easy Running Cut. Four Blade Reel. Frame Construction. All Parts Accessible for Cleaning, Oiling and Adjusting. Light Operation by Patent Mechanical Features. Ball Bearing Adjustment Is Easily Accessible Without the Least Particle of Dirt Getting Into It. Fine Quality Steel Bed Plate Possible Mixture of Grass and Dirt to the Wheel Side Wire. Pinion and Cutter Bar Castings Are Guaranteed Not to Separate. Bottom of Cutter Bar Is Planed to Insure Smooth Running. Mechanism Is Entirely Enclosed. Handle Is Adjustable and Is Finished in Hardwood Stained and Varnished.

Ball Bearing Adjustment—This Is the Most Important Invention of Recent Years in Lawn Mower Construction. It Consists of a Case Hardened Steel Spring Working Against a Collapsible Babbitt Sleeve Armored [illegible] Thereby Preventing Any Further Pressure than Is Necessary for Proper Adjustment, so that the Reel will Always Run Easily. The Simplicity of the Means by Which the Adjustment Is Made Is Also Noteworthy. Instead of Screwing the Bearings Ahead Nicely Adjusted and Then Locking Them in Position, the Operator, by Means of His Sense of Touch Can Screw Up the Bearings Until They Are Just Right for Hand Adjustment. Many Users Prefer This Method to Any Other Kind of Adjustment. Ball Bearing Adjustment Is Unnecessary Adjusted Nicely Adjustment Is Completely Free from Dust as Dust Cannot Enter the Bearings Even though He Tries to Do So. No Screws to Lose Out. A Sure Rule for Power.

Bed Plate Adjustment

Drive Wheels, Side Plates and Cutter Bar Castings of the Best Quality Gray Iron. Reel Blades are Malleable Iron Perfectly Fitted and Riveted. Reel Bearings Steel Balls, Cut Steel Bushings. Handle is Ash [illegible]

Cutter Bar Blade and Reel Blades of Best Quality Steel—the Best [illegible]

Ball Bearing Parts are of the Highest Quality, the Cones Having a [illegible]

Our Bluebell Mower is Equipped with our Automatic Ball Bearing Device which is considered the Greatest Improvement in Lawn Mower Construction during the past Ten Years. This Automatic Arrangement [illegible]

Handle made Ash and Braced. Bracket Steel. Wheel Wood, Highly Lacquered and Varnished.

Wide, Deep tooth pinions cast with Tempered Steel pins making a [illegible]

All Parts are Carefully Machined and Gauged. Wheels Riveted on Steel Bearings. This Mower is Guaranteed to Give Perfect Satisfaction.

Drive Wheels 11 3/4 inches in diameter. Reel 8 inches in diameter with Four Revolving Cutter Adjustable to Cut Grass to Lengths of 3/4 to 1 1/4 inch. Cuts grass standing 7 inches high.

Handsomely Finished in Blue and Gold

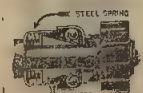
Width of Cut, Inches	14	16	18	20
Extreme Width, Inches	20 1/2	22 1/2	24 1/2	26 1/2
Weight Each, Boxed	50	53	56	60
Each	$10 00	11 00	12 00	13 00

One in a Box Handles Half Blades to a Handle

Extra Parts for Lawn Mowers Not Carried in Stock, Can Only Be Furnished by Shipping Direct From Factory

Use Diamond Oil and Diamond Edge Lawn Mower Paste

*MOUND CITY BALL BEARING



Automatic Ball Bearing Adjustment

*MOUND CITY BALL BEARING

High Wheel, Four Blade Reel

Finish—Enamel Automatic Device Trimmed in Light Green Handle [illegible]

This Mower Is Most Graceful to Outline, Very Light and Easy Running. Cutting Width Made to Order. Four Blade Reel [illegible]

Handle made Ash and Braced. Bracket Steel. Wheel Wood, Highly Lacquered and Varnished.

Wide, Deep tooth pinions cast with Tempered Steel pins making a [illegible]

All Parts are Carefully Machined and Gauged. Wheels Riveted on Steel Bearings. This Mower is Guaranteed to Give Perfect Satisfaction.

Drive Wheels 11 3/4 inches in diameter. Reel 8 inches in diameter with Four Revolving Cutter Adjustable to Cut Grass to Lengths of 3/4 to 1 1/4 inch. Cuts grass standing 7 inches high.

Handsomely Finished in Blue and Gold

Width of Cut, Inches	14	16	18	20
Extreme Width, Inches	20 1/2	22 1/2	24 1/2	26 1/2
Weight Each, Boxed	50	53	56	60
Each	$10 00	11 00	12 00	13 00

One in a Box Handles Half Blades to a Handle

Extra Parts for Lawn Mowers Not Carried in Stock, Can Only Be Furnished by Shipping Direct From Factory

Use Diamond Oil and Diamond Edge Lawn Mower Paste

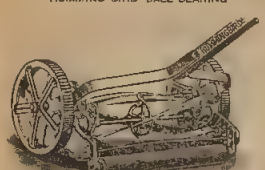
*BLUEBELL—BALL BEARING

Bed Plate Adjustment

Bed Plate Adjustment

LAWN MOWERS

*HUMMING BIRD—BALL BEARING



Ratchet and Bearing

Double Gearing

Ratchet and Bearing

This Mower is the Latest Design of the now Open Type Construction. Very Light and Easy Running, yet Built with Refined Castings that are Thoroughly Strengthened. Wheels, Side Plates and Cutter Bar Castings of Good Quality of Grey Iron, Malleable iron Reel Braces Perfectly Fitted and Riveted to Reel Shafts, which makes it impossible to Spring the Reel. Adjustable Malleable iron Roller Brackets. The Shrub Bar and Reel Shafts are of the Best Cold Rolled Steel Shafting, and they will not vary .001 of an Inch from Size. Steel Ball Bearing Cup or Race Securely Set in each head, with Tempered Cones Inserted in the Side Plates of the Machine. One of the Causes made with Four Holes, into which a Wrench can be Fitted to take up any Lash Motion in the Reel Shaft. Double Geared both sides. Double Steel Siding Pin Ratchet, Adjustable Hardwood Roller, Wrought Steel Handle Braces, 3/4-foot Varnished Hardwood Handle, with Cross Bar set in Malleable iron Bracket and Bolted.

*HUMMING BIRD BALL BEARING

High Wheel; Four Blades

Handsomely Finished in Silver and Gold Bronze; Blue Trimmed.

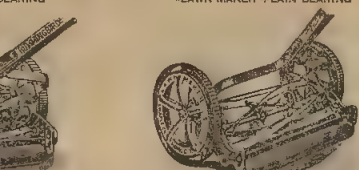
Diameter of Wheels 9 inches. Diameter of Reel 8¾ inches. Width of Blades 4⅛ inches; Reel Shaft ⅝ inch. Front Bar ¾ inch.

Adjustable to Cut Grass to Lengths of ½ to 1½ inches. Cuts Grass Standing 5 to 9 inches High.

Width of Cut, Inches	12	14	16	18
Extreme Width, Inches	18 7/16	20 5/16	22 5/16	24 5/16
Weight Boxed, Lbs.	53	55	57	59
Each	$7 00	$ 7 50	$ 8 00	$ 8 50

One in a Box, Handles Half Dozen in a Bundle

*LAWN MAKER—PLAIN BEARING



Ratchet and Bearing

Double Gearing

Ratchet and Bearing

Wheels, Side Plates and Cutter Bar Castings of Good Quality of Grey Iron, Malleable iron Reel Braces Perfectly Fitted and Riveted to Reel Shafts, which makes it impossible to Spring the Reel. Adjustable Malleable iron Roller Brackets. The Shrub Bar and Reel Shafts are of the Best Cold Rolled Steel Shafting, and they will not vary .001 of an Inch from Size. Steel Ball Bearing Cup or Race Securely Set in each head, with Tempered Cones Inserted in the Side Plates of the Machine. One of the Causes made with Four Holes, into which a Wrench can be Fitted to take up any Lash Motion in the Reel Shaft. Double Geared both sides. Double Steel Siding Pin Ratchet, Adjustable Hardwood Roller, Wrought Steel Handle Braces, 3/4-foot Varnished Hardwood Handle, with Cross Bar set in Malleable iron Bracket and Bolted.

*LAWN MAKER—PLAIN BEARING

High Wheels, Four Blades

A uniform Rich, Speed Arouse Finish in Black and Silver

Diameter of Driver Wheels 9 inches. Diameter of Reel 8 inches. Four Blades Cut on Narrow Spiral Grinder, of Steel Alloy Tempered and Ground to Perfect Working Accuracy. Spiral Cut Reduces Friction to the Lowest Degree. All Bearings Carefully Machined and Fitted.

Adjustable to Cut Grass to Lengths of ½ to 1½ inches. Cuts Grass Standing 5 to 9 inches High.

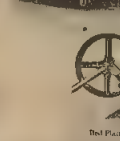
A Durable Handle and Roller of Hard Maple, Thoroughly Seasoned and Neatly Varnished.

Width of Cut, Inches	14	16	18	20
Extreme Width, Inches	20 19-32	22 19-32	24 19-32	26 19-32
Weight Boxed, Lbs.	59	62	65	68
Each	$5 00	$ 5 50	$ 6.00	$6.00

One in a Box, Handles Half Dozen in a Bundle

LAWN MOWERS

*RED CLIPPER—PLAIN BEARING



Reel Place Adjustment

This Mower is a Popular Durable and New Open Type Construction, Very Light and Easy Running, Yet Built with a Refined Casting That are Thoroughly Strengthened. Flowers are Cut Through the Center of the Side Plates. Open Type Gears to Insure Exact Dimensions. Through which the Reel Shafts Pass. Shafts are Strong Shrub Bar and Reel Shafts for Durability When Handling Heavy Lawn Grass. Between the Reel Shafts and Side Plates are Cones that Have a Contact to Play and a Set Screw Passing through the Side Plate and Bearing on the Cone to Take Up Wear. Makes a Strong and Immovable Frame Construction. Holes Bored in the Bearings are Accurately Placed so that the Bearings will Line up Right. Assures Easy Running and Exact Diameter of Frame. The Drive Wheels are Held in Place by a Malleable Lock Washer and Spring Cotter.

Adjustable Malleable Iron Roller Brackets. Reel Braces are of Malleable iron securely Riveted to the Cutting Blades and Steel Shrub Bar Passing Directly Through the Reel, Producing the Strongest and Most Rigid Reel that is Possible to Build. The Reel is Equipped with Adjustable brass Bearings and Screws for Taking Up all Wear.

Screw Adjustments Throughout. A Positive and Durable Ratchet Governs the Reel Motion. Good Quality of Materials and Workmanship. Easy Guaranteed. For Better Quality and Value for the Money is offered in Lawn Machines than any other Lawn Mower Made.

*RED CLIPPER—PLAIN BEARING

High Wheel, Four Blades

Empire Red with Gold Bronze Wheels and Decorations.

Diameter of Drive Wheels 9 inches. Diameter of Reel 8¼ inches. Shrub Rod ⅝ inch. Reel Shaft ⅝ inch. Four Cutting Blades of Crucible Steel. Careful Tempered, Accurate Grinding and Set Assuring

Adjustable to Cut Grass to Lengths of ½ to 1½ inches. Cuts Grass Standing 5 to 9 inches High.

A Varnished Handle and Roller of Hardwood Maple

Width of Cut, Inches	12	14	16	18
Extreme Width, Inches	18 10-32	20 9-32	22 10-32	24 10-32
Weight Boxed, Lbs.	50	53	57	60
Each	$4 00	$ 5 00	$ 5 50	$ 6.00

One in a Box Handles Half Dozen in a Bundle

*CARDINAL—PLAIN BEARING

This Mower is Another Popular Design of the New Open Type Construction, Very Light and Easy Running; All Parts Accurately Machined so that they will Assemble without the Least Particle of Sense. Only Materials of First Quality are used. Wheels, Side Plates and Cutter Bar Castings of Good Quality Grey Cast Iron; Malleable Iron Reel Braces Perfectly Fitted and Riveted to Reel Shafts, which makes it impossible to Spring the Reel. Holes are Drilled through the Center of the Side Plates, by two Operations, to Insure Exact Dimensions; through which a Piece of Accurately Rolled Steel Shafting Passes, Forming a Shrub Guard and an Axle for the Drive Wheels, Enabling them to Turn on Steel Bearings. The Fit between the Shafting and Side Plate Holes is so Perfect there is Absolutely no Play and a Set Screw Passing through Lug on each Side Plate and Pressing into Recesses in the Shafting makes a Strong and Immovable Frame Construction. Drive Wheels Held in Place by Malleable Lock Washer and Spring Cotter. Adjustable Malleable Iron Roller Brackets; Double Geared Both Sides. Adjustable Hardwood Roller; 3/4 Foot Varnished Hardwood Handle.

*CARDINAL—PLAIN BEARING

High Wheel, Three Blades

Handsomely Finished in Cardinal Red Gold Bronze and Green Decorated.

Diameter of Wheels 9 inches; Diameter of Reel 8¼ inches; Width of Blades 4⅛ inch; Reel Shaft ⅝ inch, Front Bar ¾ inch.

Adjustable to Cut Grass to Lengths of ½ to 1½ inches. Cuts Grass Standing 5 to 8 inches High.

Width of Cut, Inches	12	14	16	18
Extreme Width, Inches	18¼	20¼	22¼	24¼
Weight Boxed, lbs.	43	45	47	49
Each	$4 50	4.50	4.50	5.00

Extra Parts for Lawn Mowers Not Carried in Stock; Can Only be Furnished by Shipping Direct from Factory

LAWN MOWERS

*BOB WHITE—PLAIN BEARING

Adjustable Reel (Lever)

Double Gearing

Adjustable Reel: Crucible Tool-Steel Knives; Malleable Iron Reel Braces; Solid Steel Axle and Tubular Front Brace. Heavy Cast Iron Drive Wheels. Gear Castings, Side Plates and Bed Plate: Malleable Iron. Rear Braces and Roller Brackets, Tool-Steel Bed Knife Pivoted to Stationary Bed Plate; Adjustable Hardwood Roller with Steel Rod Axle; Wrought Steel Handle Braces; Fitted with Combination Clutch and Pinion with Two Sliding Pins on Each Side of the Machine; 3/4 foot Varnished Hardwood Handle with Cross Bar Set in Malleable Iron Socket and Bolted. All Bearings Carefully Milled. The Drive Wheels are Made with an Open Space between Rim and Gear Part, which Not Only Improves the Appearance but gives Strength as well. The Front Braces at the High Gears and Prevents its Winding Around the Journals.

Ratchet and Bearing

Double Gearing

*BOB WHITE PLAIN BEARING

Low Wheel, Three Blades

Pale Green and Red with Gold Bronze Stripes. A Light Running Mower, with Blades so Placed as to Obtain the Greatest Strength without Unnecessary Length.

Diameter of Drive Wheels 8 Inches. Diameter of Reel 6 inches. Size of Shaft, Inch Front 1 inch Rear. Adjustable to Cut Grass to Lengths of 1½ to 2¼ inches. Cuts Grass Standing 5 to 6 inches High.

Width of Cut, Inches	12	14	16	18
Extreme Width, Inches	18	17¾	19¼	21¼
Weight Boxed, Lbs.	40	42	44	46
Each	$4.00	4.00	4.00	4.50

One in a Box. Handles Half Down in a Bundle

Lawn Mower Parts Are Not Carried in Stock, Can be Furnished Only by Shipping Direct From Factory

Use Diamond Oil and Shapleigh Ease Lawn Mower Paste

*WHITE CLOUD—PLAIN BEARING

Adjustable Reel—(Lever)

*WHITE CLOUD—PLAIN BEARING

High Wheel, Four Blades

Blue and White with Gold Bronze Stripes. The Perfection of Lawn Mower Construction in Plain Bearing Machines.

Diameter of Drive Wheels 11 inches. Diameter of Reel 8 inches. Reel Shaft, Inch Front 1 inch Rear. Adjustable to Cut Grass to Lengths of 1½ to 2¼ inches. Cuts Grass Standing 5 to 6 inches High.

Width of Cut, Inches	14	16	18	20
Extreme Width, Inches	19¼	21	23¼	25¼
Weight Boxed, Lbs.	56	70	73	76
Each	$8.50	9.00	9.50	10.00

One in a Box. Handles Half Down in a Bundle

Lawn Mower Parts Are Not Carried in Stock, Can be Furnished Only by Shipping Direct From Factory

Use Diamond Oil and Shapleigh Ease Lawn Mower Paste

LAWN MOWERS

CRESTLAWN—BALL BEARING

HIGH WHEEL—FIVE BLADE REEL

BALL BEARING REEL

BALL BEARING WHEELS

In Constructing this Lawn Mower the Manufacturers have Combined the very Highest Grade of Materials with the most Scientific Methods of Construction known to Mechanical Skill. The Parts making the Frame are of Pressed Steel and the Cast Bed Plate is Machined to the Side Plates Forming an Automatic Interlocking Adjustment, which Cannot be Jarred or Twisted out of Alignment.

This Mower is made with Extra High Drive Wheels which Turn on Adjustable Ball Bearings Arranged to Run Dustproof. Reel Runners are Equipped with Self Adjusting Ball Bearings which take up the Wear Instantly without any Attention on the Part of the Operator. The Ball Bearing Reel is now Covered with a Cap to Prevent Dust and Grass.

The Reel has Special Quality High Grade Tool Steel Oil Tempered, and Self-Sharpening Steel Knives. These Knives are Securely held in Position at all Times and will always give a Clean Shear Cut.

The Steel Bed Knife is made with Raised Lips which adds Strength and Rigidity.

All Materials are First Grade and the best money can Buy.

The Front Cross Bar and Reel Shaft are made of Cold Rolled Shafting.

The Machine is Geared on Both Sides and has Double Steel Sliding Pin Ratchet. Steel Ball Bearing Cup with Ball Retainer Securely Set in the Reel Heads with Tempered Steel Cones Inserted in the Side Plates of the Machine.

Adjustable Hardwood Roller, Wrought Steel Handle Braces; 3/4 Foot Varnished Hardwood Handle with Cross Bar Set in a Malleable Iron Bracket and Bolted.

Silver and Gold Bronzed; Empire Red Decorations.

Diameter of Drive Wheels 11 inches; Diameter of Reel 8 inches; Shrub Rod Inch; Reel Shaft Inch; Adjustable to Cut Grass to Lengths 3/4 to 1¾ Inches, Cuts Grass standing 7 Inches High.

Width of Cut, Inches	14	16	18	20
Extreme Width, Inches	19¼	21¾	23¾	25¾
Weight Boxed, Lbs.	69	71	74	78
Each	$18.00	18.50	20.00	22.00

Ball Bearing Drive Wheel

FENDEN—BALL BEARING

High Wheel—Four Blade Reel

Special Interlocking Frame

Shoulders are turned on the Shrub Rod forming a strong Frame construction. On the ends of this heavy Rod, which pass through the side plates, are mounted the Ball Bearing Drive Wheels. Hence the strain caused by the wheels in motion falls on the shaft and not on the side plates. This obviates the often occurring trouble of the Cutter Bar being thrown out of adjustment by vibration in the frame of the Mower.

The revolving Blades touch evenly along the entire length of the lower Knife at all times, the reel bearings being continually adjusted by a Self-Adjusting device and only in such a manner can a mower be Self Sharpening.

Finished in Green, Gold, Silver and Red

Four revolving Blades of Vanadium Crucible Steel, Oil Tempered. Stationary blade has unturned lip or edge. Cutterbar actuated by cap and bottom screws, making it impossible to spring the Bar, on which Mowers adjusted by screws on each side of the pivotal point. Extra wide case hardened Pawls, insuring a ratchet of long life and durability.

Width of Cut, Inches	16	18	18	20
Extreme Width, Inches	19¼	21¾	23¾	25¾
Weight Boxed, Lbs.	65	67	69	69
Each	$15.00	16.00	17.00	18.00

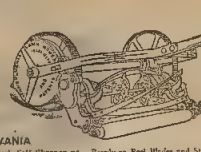
One in a Box. Handles, Half Down in a Bundle

Extra Parts for Lawn Mowers Not Carried in Stock; Can Only Be Furnished by Shipping Direct From Factory

Use Good Oil

"DIAMOND EDGE IS A QUALITY PLEDGE"

LAWN MOWERS



PENNSYLVANIA

Heavy Cast Iron Side Plates Wheels and Gear Castings, Crucible Tool Steel, Self Sharpening, Revolving Reel Blades and Stationary Knife Malleable Iron Reel pinions and Roller Bearings, Adjustable Hardwood Roller Triple Gearing on One Side, 45½ foot Varnished Hardwood Handle Painted Green and Red with Gold Bronze Striping.

PENNSYLVAN A JUN OR—BALL BEAR NG

High Wheel

10 inch Drive Wheels, Five Blades, 6 inch Cylinders, Adjustable to Cut Grass to Lengths of ¾ to 1½ inches Cuts Grass Standing 5 to 6 inches High.

Nos	JH15	JH17	JH20	JH21
Width of Cut, Inches	15	17	19	21
Extreme Width, Inches	22	24	26	28
Weight Boxed, Lbs	71	74	77	80
Each	2 5 00	26 00	31 00	34 00
	25 75	28 00	31 00	34 00

Low Wheel

8 inch Drive Wheels, Five Blades, 5½ inch Cylinders, Adjustable to Cut Grass to Lengths of ¾ to 1½ inches Cuts Grass Standing 4 to 5 inches High.

Nos	JL16	JL20	JL18
Width of Cut, Inches	16	17	18
Extreme Width, Inches	2	23	25
Weight Boxed, Lbs	62	65	68
Each	$17 00	18 00	21 00
	17 50	19 50	21 00

One in a Box Handles Bundled

PENNSYLVANIA REGULAR

High Wheel

10½ inch Drive Wheels, Four Blades, 6½ inch Cylinders, Adjustable to Cut Grass to Lengths of ¾ to 1½ inches, Cuts Grass Standing 5 to 6 inches High

Nos	PH15	PH17	PH19	PH21
Width of Cut, Inches	15	17	19	21
Extreme Width, Inches	22	24	26	28
Weight Boxed, Lbs	70	82	85	87
Each	$25 00	26 00	31 00	34 00
	25 00	28 00	31 00	34 00

Low Wheel

8 inch Drive Wheels, Four Blades, 5½ inch Cylinder Adjustable to Cut Grass to Length of ¾ to 1½ inches Cuts Grass Standing 4 to 5 inches High

Nos	PL14	PL16	PL18
Width of Cut, inches	14	16	18
Extreme Width, Inches	20	22½	24½
Weight, Boxed, Lbs	58	60	63
Each	$ 7 00	16 00	21 00
	17 00	18 00	21 00

Items Marked ✠ Not Carried in Stock, Can Only be Furnished by Shipping Direct from Factory

Four Blade Reel

28 inch diameter Drive Rollers

Reel 8 inches in diameter

Finished in Green, Gold and Red Paint and Varnished.

Handsomely Ornamented

✠FENDEN HORSE MOWER

Guaranteed to give the best satisfaction of any horse power mower on the market. The frame construction is the strongest that is possible to build and is reinforced at each end with heavy steel bars. All parts accurately machined and fitted. Equipped with the only graduated raising and lowering device, enabling the operator to instantly set all the cutting heights or allow the knives to pass over a stone.

Both the bottom knife and the reel are demountable without disturbing the frame of the mower. Reel bearings turn in adjustable split brass bushings. Four revolving blades 5-16 of an inch in thickness and made of the best knife steel obtainable, vanadium-crucible analysis, oil tempered. Double riveted malleable reel braces throughout.

Fitted with a train of three gears and durable triple pawl ratchets. Diameter of drive rollers 15 inches. Reel is 8 inches in diameter and is quickly adjusted to the proficiency or bearing light, the adjusting screws being easily accessible and seldom require attention.

If desired, this mower can be furnished with five revolving knives and bottom knife with upturned edge or lip.

Fully equipped with power seat shafts and side-draft attachments.

Width of Cut, Inches	30	35	40
Weight Boxed, Lbs	610	625	635
Each	$147 00	170 00	180 00

Items marked ✠ not carried in stock, Can only be furnished by Shipping Direct from Factory, Richmond, Ind.

✠PUTTING GREEN MOWERS

PENNSYLVANIA

Complete With Grass Box

Cut shows Mower with Grass Box Attached

Cut shows Mower with Grass Box Detached

Note

The Grass Boxes or Catchers which are furnished with these Mowers are composed of two parts —the Box proper and the Shield or Deflector, to deflect the Grass forward into the Box. They are made of Sheet Metal with Wood Endboard are easily Attached and Detached

The new fad of making putting greens on Golf Links wavy or undulating has revived a demand in some sections, originally in Great Britain, and more recently in this country, for the old roller type, forward cut lawn mowers.

The Pennsylvania Putting Green is an exact model of the Pennsylvania Grand Horse Mower, modified only to operate by hand.

The Stationary Knife is Bolted Rigidly to the Frame, making the Adjustment entirely with the Cylinder. The Journal Boxes or Cylinder Bearings are Self Aligning, Insuring a Perfect Cutting Edge the Entire Length of the Blades. This Mower can be set to cut 3-16ths of an inch, adapting it for Putting Greens, Tennis Courts, Cricket Crosses and other work requiring an exceptionally close and smooth cut. It can also be used as an edge trimmer for the ordinary lawn. The Front Wood Roller better supports the Machine in mowing terraces, but can be readily removed if desired leaving only the casters as supports.

All Blades of this Mower are Crucible Tool Steel, Oil Tempered and Hardened

Diameter of Rollers 7 inches; Diameter of Cylinder 6½ inches, Six Blades

	✠14	✠16	✠18
Width of Cut, Inches	14	16	18
Shipping Weight Lbs	90	110	134
Each	$20 00	20 00	22.00

Items marked ✠ Not Carried in Stock, Can Only be Furnished by Shipping Direct from Factory, Philadelphia, Pa.

POCKET KNIVES

Cuts Full Size.

GEORGE WOSTENHOLM & SON, I-XL

Best Quality English Crucible Steel Blades, Highly Tempered, Sharpened Ready for Use.

Per Dozen

No. 2079 Two Blades 1 Large Spear Point and 1 Pen, Polished, 1⅛ in. Buffalo Horn Handle, Brass Lined. . $.....

Per Dozen

No. 2136—Two Blades, 1 Large Spear Point and 1 Pen, Polished, 3 in Stag Handle, Brass Lined, German Silver Bolster .....

No. 2138—Same as No 2136, but Pear. Handle. .....

Per Dozen

No. 2284 Two Blades, 1 Large Spear Point and 1 Pen, Polished, 3⅛ in Pearl Handle, Brass Lined.....

Per Dozen

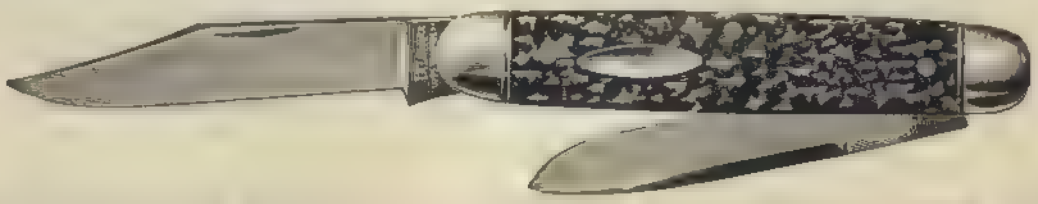
No. 2018—Two Blades, 1 Large Spear Point and 1 Pen, Polished, 3¼ in Ivory Handle, Brass Lined..... $. ..

Per Dozen

No. 2000—Two Blades, 1 Large Spear Point and 1 Pen, Polished, 3¼ in Stag Handle, Brass Lined . ... .$... .

Per Dozen

No. 2294 Two Blades, 1 Large Spear Point and 1 Pen, Polished 3¼ in. Stag Handle, Brass Lined, German Silver Bolsters . . . . . $ ....



Per Dozen

No. 2291 Two Blades, 1 Large Clip Point and 1 Pen, Polished 3¼ in Stag Handle, Brass Lined, German Silver Bolsters ..... $.....

All Above, One-half Dozen in a Box.

POCKET KNIVES

Cuts Full Size.

GEORGE WOSTENHOLM & SON, I-XL

Best Quality English Crucible Steel Blade, Highly Tempered, Sharpened Ready for Use.

Per Dozen

No. 2153—Two Blades, 1 Large Sheepsfoot and 1 Pen, Polished, 3⅛ in. Stag Handle, Brass Lined, German Silver Bolsters ..... $. ..

No. 14340.

Per Dozen

No. 14336—Three Blades, 2 Pen and Nail File, Polished, 2¾ in. Stag Handle, Brass Lined, German Silver Tips. $.....
No. 14340—Same as No. 14336, but Pearl Handle.... . . . . .

No 15187.

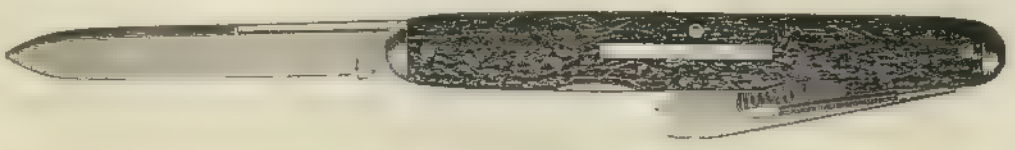
Per Dozen

No. 15184—Three Blades, 2 Pen and Nail File, Polished, 2⅝ in. Stag Handle, Brass Lined, German Silver Bolsters ..... $.
No. 15185—Same as No. 15184, but Ivory Handle . . . . . .
No. 15187—Same as No. 15184, but Pearl Handle . . . . . .

No. 15405

Per Dozen

No. 15331—Three Blades, 2 Pen and Nail File, Polished, 3⅛ in. Stag Handle, Brass Lined, German Silver Tips. . $.....
No. 15405—Same as No. 15331, but Pearl Handle . . . . . .



No 14426

Per Dozen

No. 14420—Three Blades, 2 Pen and Nail File, Polished 3⅛ in. Stag Handle, Brass Lined, German Silver Tips. . $.
No. 14422—Same as No. 14426, but 2 Pen Blades, no File. . . . . .

Per Dozen

No. 11671—Three Blades, 2 Pen and Nail File, Polished, 3 in. Stag Handle Brass Lined, German Silver Bolsters ..... $... .

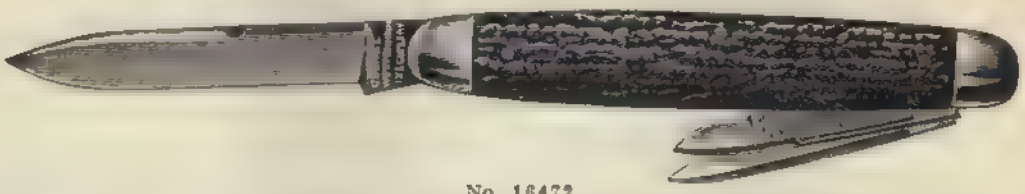
All Above, One half Dozen in a Box

POCKET KNIVES

Cuts Full Size

GEORGE WOSTENHOLM & SON, I-XL

Best Quality English Crucible Steel Blades, Highly Tempered, Sharpened Ready for Use.



No. 16472.

Per Dozen

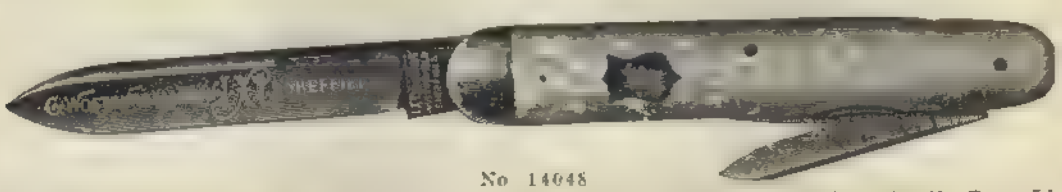
No. 16753—Three Blades, 2 Pen and Nail File, Polished, 3 in. Stag Handle, Brass Lined, German Silver Bolsters ....$....

No. 15252 Three Blades 2 Pen and 1 File, Glazed, 3¾ in. Black Handle, Brass Lined, German Silver Bolsters ....

No. 16472—Same as No. 15252, but Stag Handle. ....

Per Dozen

No. 2065—Three Blades, 1 Large Spear Point and 2 Pen, Polished, 3⅝ in. Stag Handle, Brass Lined, German Silver Tips ....$....

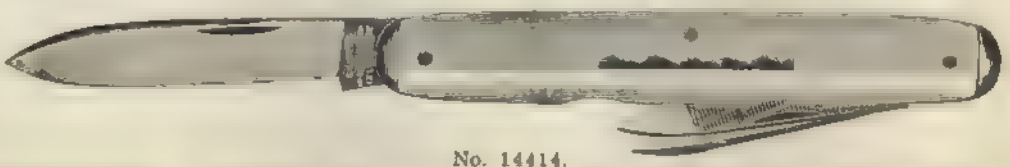


No. 14048

Per Dozen

No. 14051—Three Blades, 1 Large Spear Point, 1 Pen and Nail File, Polished, 3⅝ in. Stag Handle, Brass Lined, German Silver Bolster....$....

No. 14048—Same as No. 14051, but Pearl Handle ....



No. 14414.

Per Dozen

No. 14410 Three Blades, 1 Large Spear Point, 1 Pen and Nail File, Polished, 3½ in. Stag Handle, Brass Lined, German Silver Tips....$....

No. 14414—Same as No. 14410, but Pearl Handle ....

Per Dozen

No. 2074—Four Blades, 1 Large Spear Point, 2 Pen and Nail File, Polished, 3¾ in. Stag Handle, Brass Lined, German Silver Tips....$ ....

Per Dozen

No. 14284—Four Blades, 1 Large Sheepsfoot, 2 Pen and Nail File, Polished, 3¼ in. Pearl Handle, Brass Lined ....$....

All Above, One-half Dozen in a Box.

POCKET KNIVES

Cuts Full Size.

GEORGE WOSTENHOLM & SON, I-XL

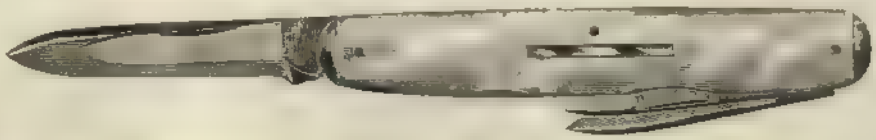
Best Quality English Crucible Steel Blade, Highly Tempered, Sharpened Ready for Use.

No. 14372.

Per Dozen

No. 14368—Four Blades 1 Large Spear Point, 2 Pen and Nail File Polished, 3 in Stag Handle, Brass Lined, German Silver Tips.....$.....

No. 14372—Same as No. 14368 but Pearl Handle.....



Per Dozen

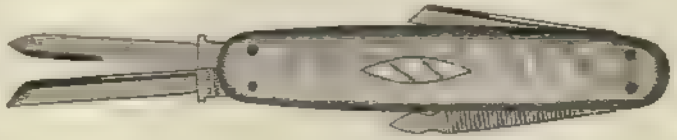
No. 14396FF Four Blades 1 Large Spear Point, 2 Pen and Nail File, Polished, Pearl Handle, 3 in Brass Lined, German Silver Tips.....$.....

Per Dozen

No. 5582—Two Blades, 1 Large Spey and 1 Pen, 1 Nail File and Cleaner, Polished, 2½ in. Pearl Handle, Brass Lined.....$.....

Per Dozen

No. 3624—Manicure, 1 Pen and Nail File, Polished, 2⅜ in. Pearl Handle Brass Lined.....$.....



Per Dozen

No. 13613—Four Blades, 3 Pen and Nail File, Polished, 2½ in., Pearl Handle, Brass Lined.....$.....

Per Dozen

No. 2222—Manicure, Two Blades, 1 Pen and Nail File Polished, 2⅞ in Stag Handle, German Silver Tips and Shield.....$.....

No. 2222P—Same as No. 2222 but Pearl Handle.....

Per Dozen

No. 21—Two Blades, 1 Large Spear Point and 1 Pen, Polished, 3¼ in. Aluminum Handle, Brass Lined.....$.....

All Above, One-half Dozen in a Box.

POCKET KNIVES

Cuts Full Size.

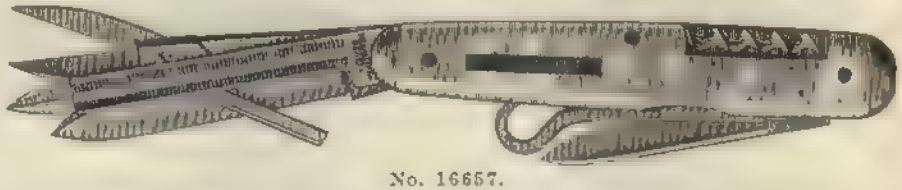
GEORGE WOSTENHOLM & SON, I-XL

Best Quality English Crucible Steel Blades, Highly Tempered, Sharpened Ready for Use.

No. 8762.

Per Dozen

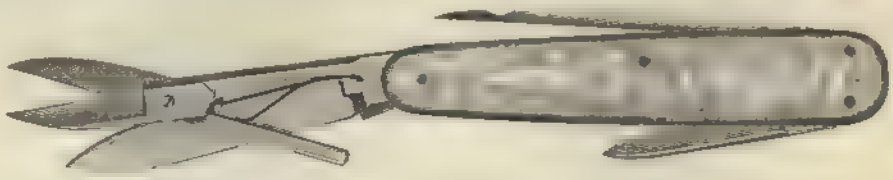
No. 15090—Combination, Two Blades, 1 Large Spear Point and 1 Pen, 1 Nail File and Cleaner, 1 Folding Scissors Polished, 3 in. Stag Handle, Brass Lined, German Silver Bolster and Shield..... $...
No. 8762—Same as No. 15090, but Pearl Handle. .....



No. 16657.

Per Dozen

No. 16740—Combination, Three Blades 2 Pen and 1 Nail File, 1 Each Button Hook, Cork Screw and Folding Nail Scissors Polished, 3 in. Stag Handle, Brass Lined, German Silver Tips and Shield..... $.....
No. 16658—Same as No. 16740, but Shell Handle .....
No. 16657—Same as No. 16740, but Pearl Handle .....



No. 15151.

Per Dozen

No. 15126—Combination, Three Blades 1 Large Spear Point, 1 Pen, 1 Nail File and Cleaner, and 1 Folding Nail Scissors, Polished, 2¾ in. Stag Handle, Brass Lined, German Silver Shield.... $..
No. 15125—Same as No. 15126, but Black Handle .....
No. 15151—Same as No. 15126, but Pearl Handle .....

No. 15713

Per Dozen

No. 15658—Two Blades 1 Large Spear Point and 1 Pen Cork Screw and Bottle Opener, Polished, 3¼ in. Pearl Handle, Brass Lined, German Silver Bolsters and Shield . ..$. .
No. 15713—Same as No 15658, but 3⅝ in.....

Per Dozen

No. 12044G—Two Blades, 1 Large Spear Point and 1 Pen, Polished, 3½ in. Ebony Handle, Brass Lined German Silver Bolster and Cap ..... $.

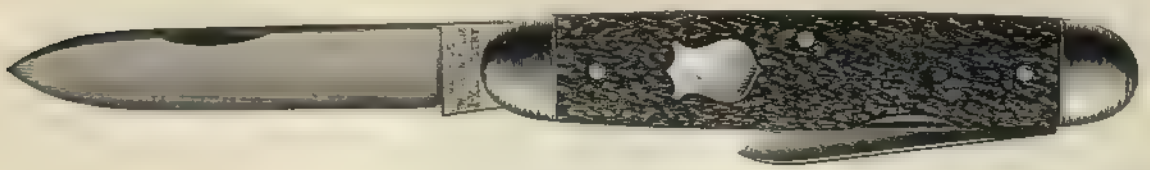
All Above, One-half Dozen in a Box.

POCKET KNIVES

Cuts Full Size.

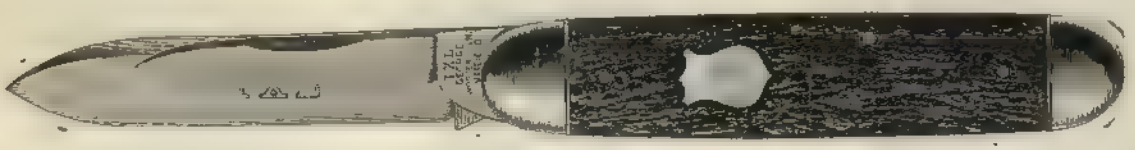
GEORGE WOSTENHOLM & SON, I-XL

Best Quality English Crucible Steel Blades, Highly Tempered, Sharpened Ready for Use.



Per Dozen

No. 2055—Two Blades, 1 Large Spear Point and 1 Pen Glazed, 3⅝ in Stag Handle, Brass Lined, German Silver Bolster, Cap and Shield..... $.



Per Dozen

No. 2043—Two Blades, 1 Large Spear Point and 1 Pen, Polished 3½ in Stag Handle, Brass Lined, German Silver Bolster, Cap and Shield..... $.....

Per Dozen

No. 2241 Two Blades 1 Large Spear Point and 1 Pen, Polished, 3½ in. Stag Handle, Brass Lined, German Silver Bolsters and Shield..... $ ..

Per Dozen

No. 2054—Three Blades, 1 Large Spear Point, 1 Sheepsfoot and 1 Pen Glazed, 3⅝ in Stag Handle, Brass Lined, German Silver Bolsters and Shield..... $... .

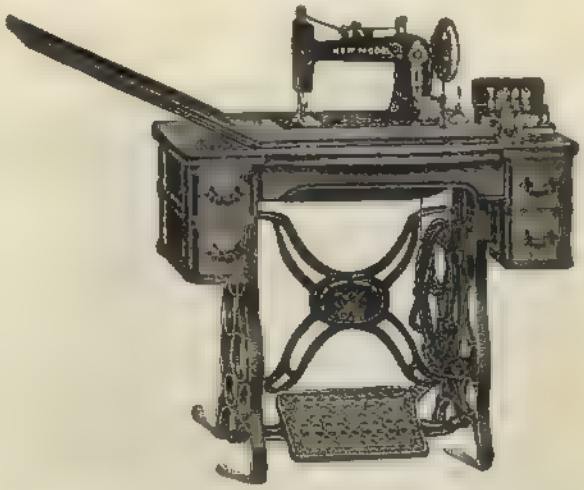
Per Dozen

No. 2233—Three Blades, 1 Large Sabre Clip, 1 Sheepsfoot and 1 Spey, Glazed 3¾ in. Stag Handle, Brass Lined, German Silver Bolsters and Shield..... $.. ..

All Above, One-half Dozen in a Box.

New Model Sewing Machines

The Best Constructed, Low-priced machine on the market



A Handy Machine that meets every requirement of the home

The Best Sewing Machines for the Money Ever Sold

Our No. 160, New Model

Or lowest priced machine is, in our opinion, deserving fully of its name. We believe it to be the best low priced machine ever offered Those who are in need of a substantial machine which they can sell at a very low price need not look further than our machine, as it fills the bill exactly.

The Head

Its sewing qualities are fully guaranteed for ten years, and it will do good work many years after the guarantee has expired.

Woodwork or Case

Is made of a good quality of oak, nicely polished. Has four drawers with attractive oxidized pulls, with one handy push drawer in center. Has hand lift drop head, head dropping into a dust-proof receptacle when it is lowered.

Stand

Is of the substantial Point Bearing type with efficient treadle, brace and belt guard. It is finished in black enamel.

Attachments and Accessories

A complete set of each of the well known "Greist" make are furnished free with No. 160 machine. They consist of the following: One tucker, one ruffler with shirring plate, one hemmer set (four widths), one binder, one braider, one thread cutter, one quilter and one hemmer which is also a feller.

No. 160—3 drawer

We are also in position to furnish our customers with this same machine in a three (3) instead of a five drawer case, the same being our No. 160-3 drawer.

The Accessories

Furnished Free, also one gauge, one gauge screw, one oil can (filled), one combination screw driver, six bobbins, one extra package of needles and one instruction book in five different languages. Each of these attachments and accessories are tested fully before it leaves the factory. Perfect work is thereby assured. Weight, crated ready for shipment from factory near Chicago, 120 lbs.

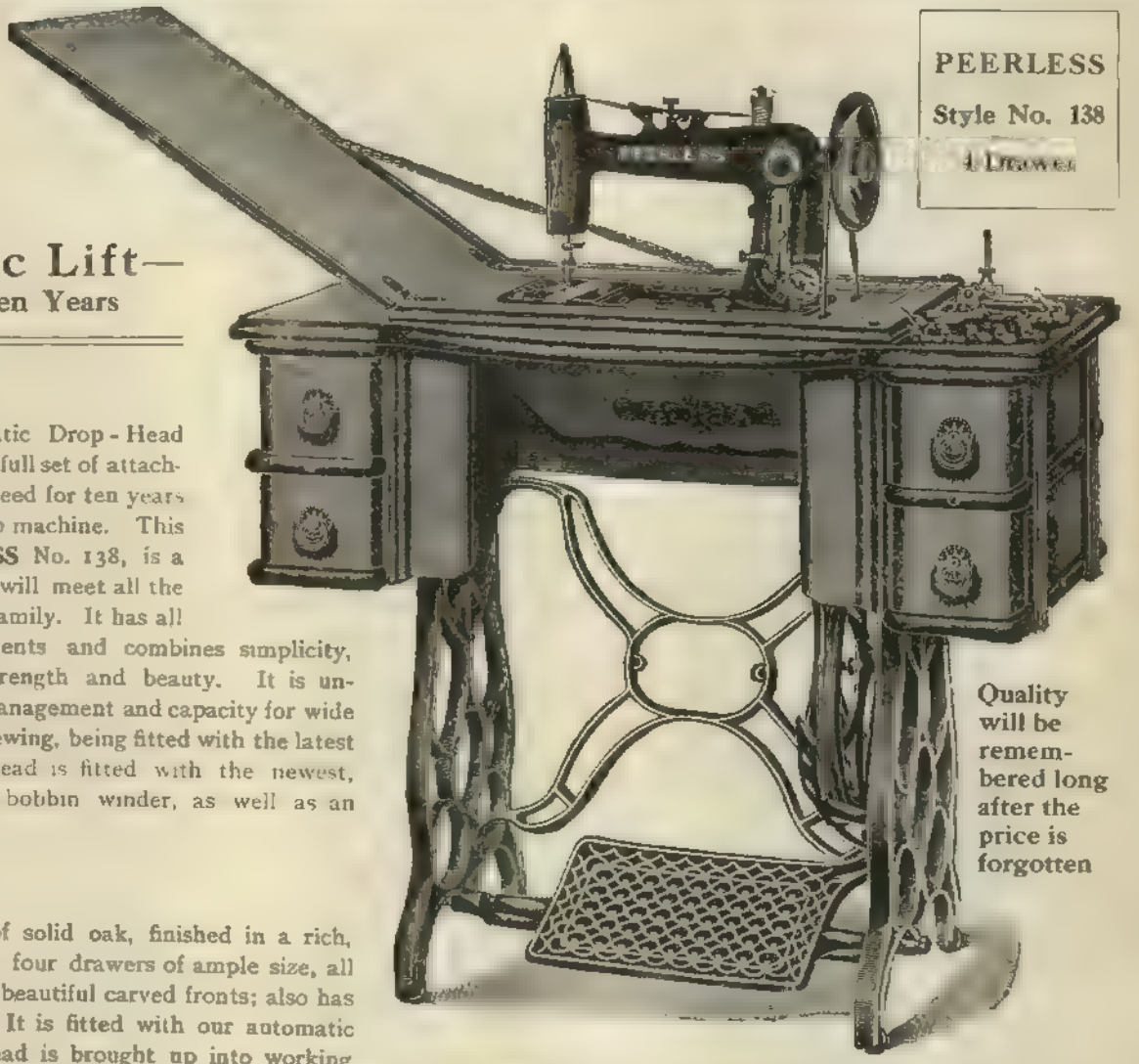
Guarantee

Full 10 year binding guarantee goes with this machine.

Style No. 160 5-drawer, New Model, List Price . . $32.50
Style No. 160 3-drawer, New Model, List Price . . 31.00

A Handsome, Practical Machine

Biggest Value Ever Offered!



Automatic Lift—
Guaranteed Ten Years

Our Peerless

No. 138 Automatic Drop-Head Sewing Machine with full set of attachments Free—guaranteed for ten years—equal to any $35.00 machine. This wonderful **PEERLESS** No. 138, is a sewing machine that will meet all the requirements of any family. It has all the latest improvements and combines simplicity, durability, speed, strength and beauty. It is unequalled for ease of management and capacity for wide range of all kinds of sewing, being fitted with the latest style head. The Head is fitted with the newest, improved automatic bobbin winder, as well as an automatic shuttle.

Quality will be remembered long after the price is forgotten

The Cabinet

Is constructed of solid oak, finished in a rich, dark golden. It has four drawers of ample size, all fitted with locks with beautiful carved fronts; also has a drop apron front. It is fitted with our automatic lift, by which the head is brought up into working position by simply raising the lid or top leaf. It automatically locks when the head is brought into position and is perfectly solid and secure. When through using, the head is again returned to the interior of the case by simply closing the top lid down.

The Stand

Is of the latest improved ball-bearing type, with ball-bearing steel pitman. The balance wheel is protected by a wide dress guard or shield. The specially hardened ball-bearings make it light running, noiseless and do away with the rattle and noise, usually found in point bearing machines. Remember, all attachments are included Free at the price quoted.

Fully Guaranteed

With each machine we send an iron clad guarantee bond, fully signed and sealed, which is an absolute protection for a period of 10 years against defects of material or workmanship. We agree to duplicate any part upon return of same to us, if it becomes defective within this period of time. This guarantee covers all parts of the machine with the exception of the shuttles, needles and bobbins, which, are of course, subject to natural wear. The 10-year guarantee is just as good as the unlimited one, because it stands to reason that if any part is defective, it is going to show its defects before the machine has been used 10 years. If your customers want a high grade, inexpensive machine, this is the one to order.

Shipping weight, 125 pounds.

Style No. 138 4-Drawer.

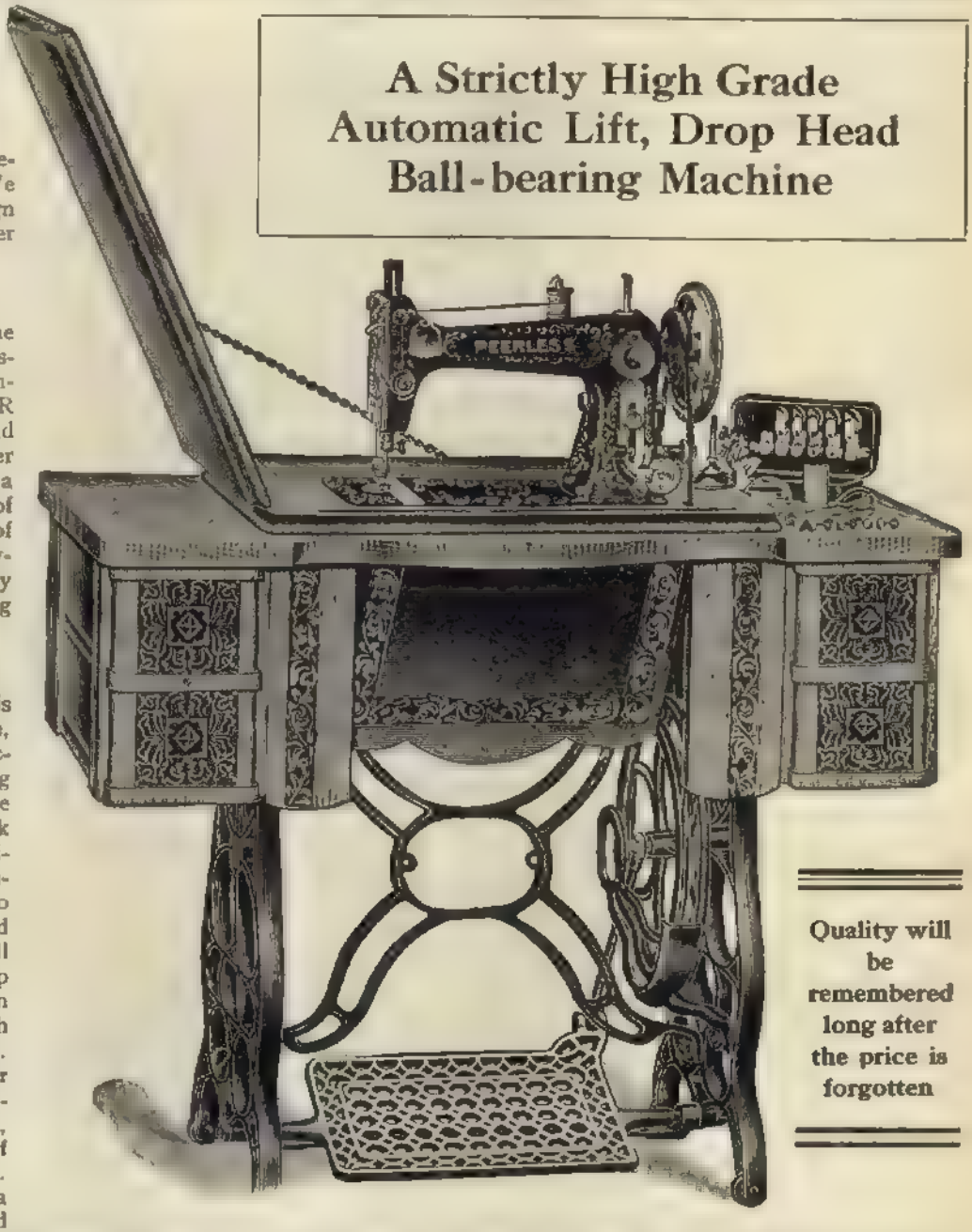
List Price $36.75

A NEW DESIGN

No. 128¼ Peerless

Machine we believe is a fitting mate to our leader PEERLESS shown on the opposite page. The PEERLESS is a brand new style specially designed and created for us. We believe that for beauty of design it is not equaled by any other machine made.

A Strictly High Grade Automatic Lift, Drop Head Ball-bearing Machine



Quality will be remembered long after the price is forgotten

Head

The PEERLESS head is the same in construction and possesses exactly the same mechanical features as OUR OTHER PEERLESS head. This head cannot be equaled by any other make for turning out steadily a perfect volume of any kind of sewing that may be required of it. Its many time and labor saving improvements immediately appeal to all purchasers, causing them to take to it at once.

Woodwork or Case

The entire table of this PEERLESS No. 128¼ machine, in finish, design and construction, we believe is deserving of particular merit. It is made throughout of quarter sawed dark Golden Oak, which has a beautiful grain. It has our special automatic steel cable lift tested to 800 pounds, four extra wide and high drawers extending the full width of the table and swell drop apron front. The drawers, apron and pilasters are all decorated with beautiful hand carved designs. The drawers being fitted with our exclusive diamond shaped oxidized drawer knobs and plates, which add greatly to the beauty of this already handsome machine.

A 22-inch tape measure in a pearl finish is conveniently placed on the table. The stand is full ball bearing in pitman and drive wheel. Pitman is all steel, highly polished and is full ball bearing, has substantial brace, extra broad treadle and an efficient dress guard The same is finished in beautiful black enamel.

Attachments and Accessories

A complete set of each of the well known "Griest" make are furnished free with our regular PEERLESS machine They consist of the following: one tucker, one ruffler, with shirring plate: one hemmer set (4 widths), one binder, one braider, one thread cutter, one quilter and one hemmer, which is also a feller.

The Accessories

An oil gauge, one gauge screw, one oil can filled, one combination screw driver, six bobbins, one extra package of needles and one instruction book in five different languages. Each of these attachments and accessories are tested fully on the machine before it leaves the factory. Perfect work is thereby assured.

Guarantee

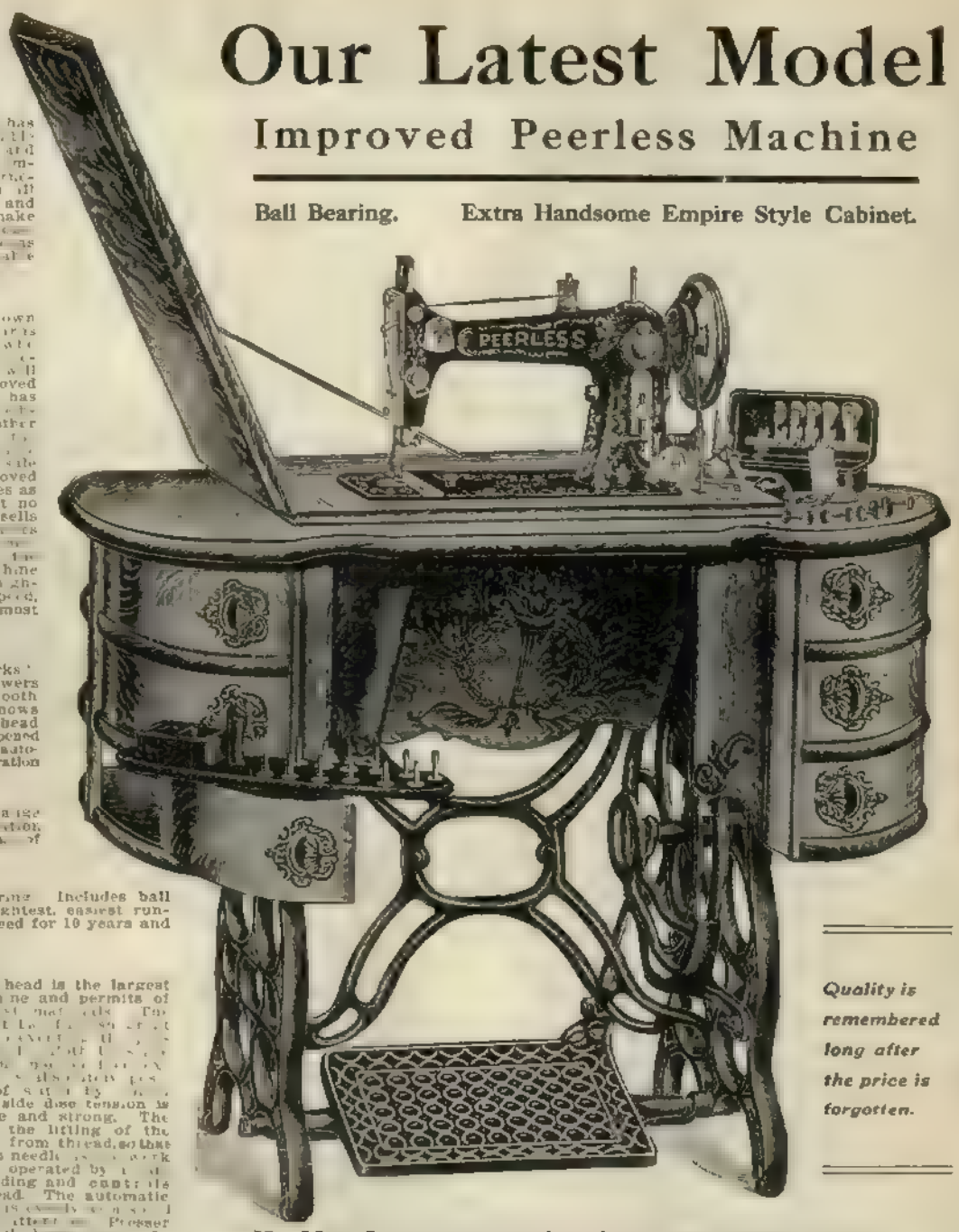
A positive 10 year binding guarantee goes with the PEERLESS It protects fully both the seller and the purchaser. Shipping weight, 125 pounds.

Style No. 128 4-Drawer. List Price $44.25

Our Latest Model

Improved Peerless Machine

Ball Bearing. **Extra Handsome Empire Style Cabinet.**



Peerless New Ball Bearing Machine

This is the famous machine that has been attracting so much favorable comment among the dressmakers and people who are interested in the improvement of sewing machine construction. Here is a machine that has all the improved up-to-date features and wonderful patents that go to make sewing a pleasure instead of a drudgery. All of the advanced ideas that have been found to make every woman to enjoy fine sewing.

Highest Efficiency

In every way it costs no more to own a Peerless than any dressmaker or tailor who is living by sewing, and no man who wants his wife to be spared all unnecessary labor in her sewing work will appreciate this wonderful improved **PEERLESS.** This line of machines has [illegible] through high efficiency [illegible] there are other high grade sewing machines [illegible] there are no other machines offered for sale today that have so many improved features, so many excellent qualities as this machine. It is also true that no other high grade sewing machine sells for so little money. **Peerless** machines are sold [illegible] The Automatic Lift, Automatic Drop, the best product of the most advanced ideas in sewing machine building. They are absolutely the highest grade, capable of the greatest speed, and the lightest running and the most durable sewing machines made.

See the Automatic Drop

Do you see how simply it works? Just close the lid and the head lowers out of sight, and you have a smooth table top. The picture here shows the lid raised part way and the head partially lowered. When the lid is opened flat, the head is up even with top and automatically locked in place ready for operation.

Free Accessories

include the following: 1 gauge, 1 gauge screw, 1 oil can (filled), 1 [illegible] screw driver, 6 bobbins, 1 package of needles, and 1 instruction book.

Ball Bearing

This machine is full ball bearing. Includes ball bearing steel pitman. It is the lightest, easiest running machine made. It is guaranteed for 10 years and will last for generations.

Sewing Mechanism

The high arm on the **Peerless** head is the largest obtainable in family sewing machine and permits of the easy and free use of the [illegible] The cuff [illegible] to the [illegible] sewing [illegible] The [illegible] stitch regulator [illegible] most [illegible] The [illegible] figure' gauge at the right. The side disc tension is [illegible] and adaptable yet simple and strong. The automatic tension release allows the lifting of the presser foot to remove all tension from thread, so that the thread can not break or strain needle when work is removed. The [illegible] take-up is operated by [illegible] and not by [illegible], is self-threading and controls perfectly any size or kind of thread. The automatic bobbin winder will wind bobbin [illegible] of thread while sewing and without [illegible] Presser foot [illegible] stand [illegible] while [illegible] winding. No [illegible] to remove work from machine when winding bobbins. The [illegible] extra steel, [illegible] The self threading shuttle [illegible] with spring tension holding little adjusting. No [illegible] to [illegible] thread through. It takes an extra [illegible] parts of the **Peerless** head are standard [illegible] the best [illegible] obtainable. This is the best sewing machine head in the world.

Quality is remembered long after the price is forgotten.

Has More Improvements than Any Other Machine Made.
THIS SIX DRAWER PEERLESS AT PRACTICALLY FACTORY COST.
Easiest Running, Handsomest and Biggest Sewing Machine Value of the Age.

The Cabinet

The beauty of the quartered oak used and the workmanship and finish of the No. 29½ sewing machine cabinet is the equal of a piano case. It is built to hold the finest sewing machine arm in the world and nothing has been spared to make it worthy of the name it bears.

Spool Tray Free

As shown on middle left drawer. Every woman using a sewing machine will readily appreciate this convenience. It is made of hard wood, [illegible] The [illegible] and holds a [illegible] It has a box for [illegible] [illegible] and [illegible] necessary. It is impossible to [illegible] Styles No. 29½ and 29 **Peerless** machines.

Automatic Door Locks

The wonderful **PEERLESS** sewing machine equipped with patented automatic drawer locking device of the makers. It is covered fully by the [illegible] **cannot be found with machines of any other make.** This is only one of the [illegible] to be gained by buying this **PEERLESS** sewing machine [illegible] with Fort Dearborn W. & C. Co.'s buying ability which gives **our** customers [illegible] impossible to secure elsewhere.

This wonderful automatic drawer locking device locks all six drawers **automatically** when lid and head are down and opens them all automatically when head is up ready for sewing and lid is raised. There is no vexatious loss of keys with this wonderful **PEERLESS** machine, and little ones who [illegible] of mind who sometimes borrow screw drivers and other accessories and attachments to repair roller skates or bicycles after [illegible] located the ordinary sewing machine key, are completely non-plused by the Famous Automatic Drawer Locks of the **PEERLESS** machines Nos. 29½ and 29.

No. 29—We are also in position to furnish this same machine in a four (4) instead of a six drawer case. The same being our No. 29. It is absolutely the same machine in every respect as No. 29½ shown in above illustration except that it has four and not six drawers. No. 29 is an exceedingly popular style and the Famous Spool Tray and Automatic Drawer Locking Device are furnished free with it same as with No. 29½.
Shipping weight, 130 pounds.

Style No. 29½ Six Drawer.....$51.75
Style No. 29 Four Drawer.....48.50

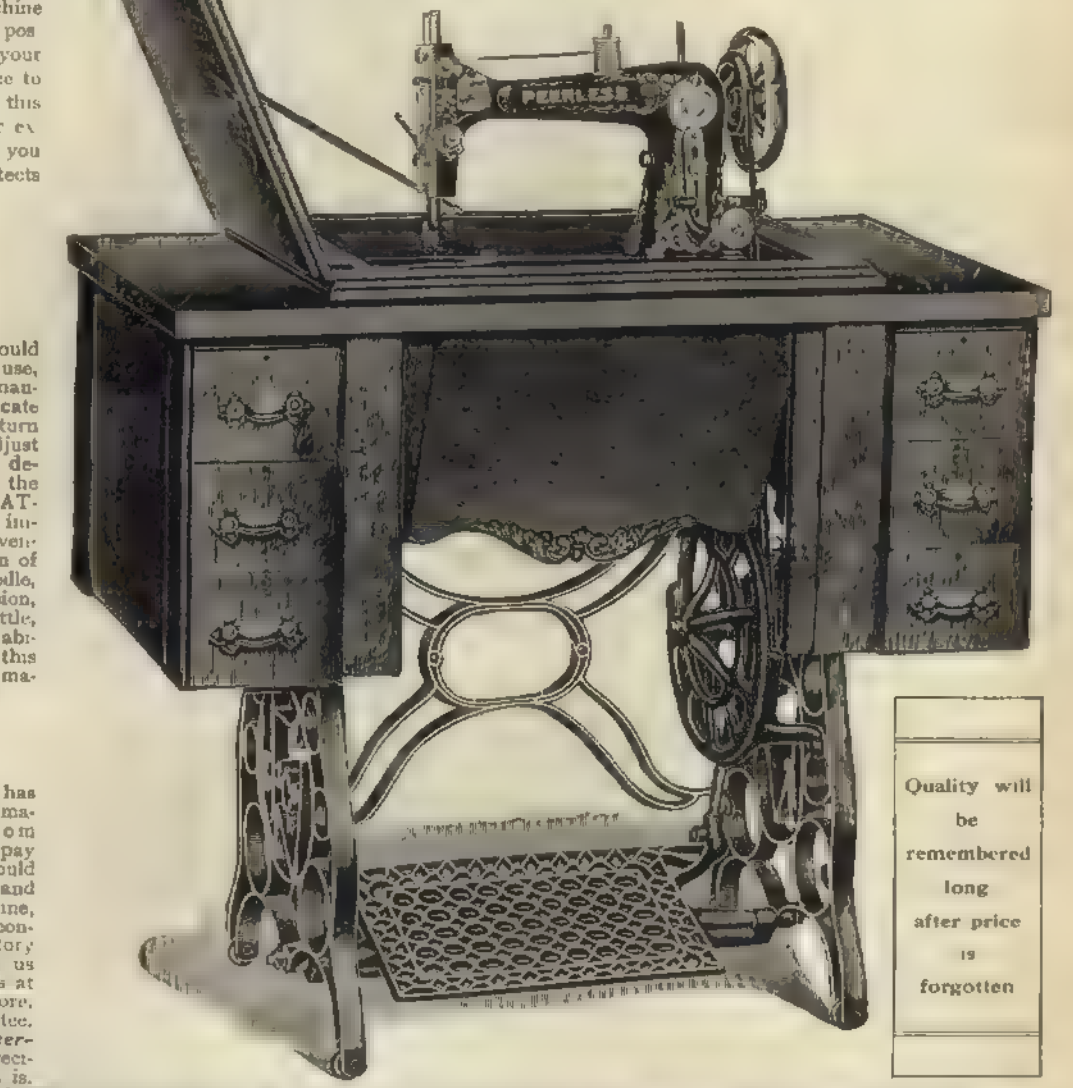
OUR IMPROVED NEW PEERLESS

New Style E13, 6 Drawer

Our Six Drawer ***Peerless***, No. E 13 Sewing Machine is strictly a high grade and to be compared only with sewing machines that agents sell from $45 to $60. It is the best and biggest sewing machine bargain ever offered, none excepted. Sent on thirty days trial. Send us an order and let us ship you this elegant machine, ***Peerless***, on 30 days' free trial. All we ask is this opportunity of convincing you that it is the lightest running, best quality sewing machine you ever saw. We feel absolutely positive that once in your possession your customer will select it in preference to any other. If you do not find all this to be true, ship it back at our expense and we will refund the money you have paid. Our legal guarantee protects you

Handsome Colonial Design Machine

A Beautiful Ornament A Wonderful Machine



Our Iron Clad 10 Year Guarantee

accompanies every machine. Should any machine, with proper care and use, prove defective in material or workmanship, we hereby agree to duplicate any part that proves defective on return of same, and if necessary will re-adjust at our factory, free of charge, any defective machine if returned within the time specified. HAS ALL THE LATEST IMPROVEMENTS. Every improvement that modern skill has invented is embodied in the construction of this remarkable machine. The needle, the takeup, bobbin winder, the tension, automatic tension release, the shuttle, ball bearing stand and the elegant cabinet are so perfectly made as to make this ***Peerless*** machine the best sewing machine on earth. Has automatic lift.

Our Low Price

The ***Peerless*** No. E 13 machine has more modern improvements than machines sold by canvassers at from $45.00 to $50.00. If you were to pay more than $50.00 elsewhere you would not get one as completely perfect and as high grade as our ***Peerless*** machine, No. E 13. The fabulously large contracts we made with the great factory that makes our machines enables us to place them before our customers at an actual saving of 50% or more. This we most emphatically guarantee. WE TELL YOU all about the ***Peerless***, No. E 13, so you can fully appreciate what a very fine machine it really is. It combines simplicity, durability, reliability, speed, strength and beauty. It is unequaled for ease of management and capacity for wide range of work. Any plain or fancy work that can be accomplished on the high priced canvassers machines is easily performed on our ***Peerless***, No. E 13, machine. Hemming, tucking, ruffling, binding, shirring, hemstitching, quilting, embroidery and all sorts of fancy work that is done with floss, chenille, etching, zephyr, silk, etc., are all easily done. It is a thoroughly first class high arm machine that will meet all the requirements of any family. It possesses all the late advantages and improvements such as full length arm head, patent stop dise tension with thread retainer, automatic bobbin winder positive four motion feed, large self threading cylinder shuttle, set setting flat shank needle, positive take up, improved stitch regulator all with adjustment from 8 to 32 stitches to the inch. Loose pulley device for winding bobbin without removing goods from under the needle. Ball bearing rubber stand and ball bearing steel pitman. Has beautiful quarter sawed oak cabinet and latest improved automatic lift.

Quality will be remembered long after price is forgotten

E 12. We are in a position to furnish our customers with this same machine in a four 4 drawer case instead of six drawers. The same being our No. 12 "B" type head.

Accessories and Attachments Free

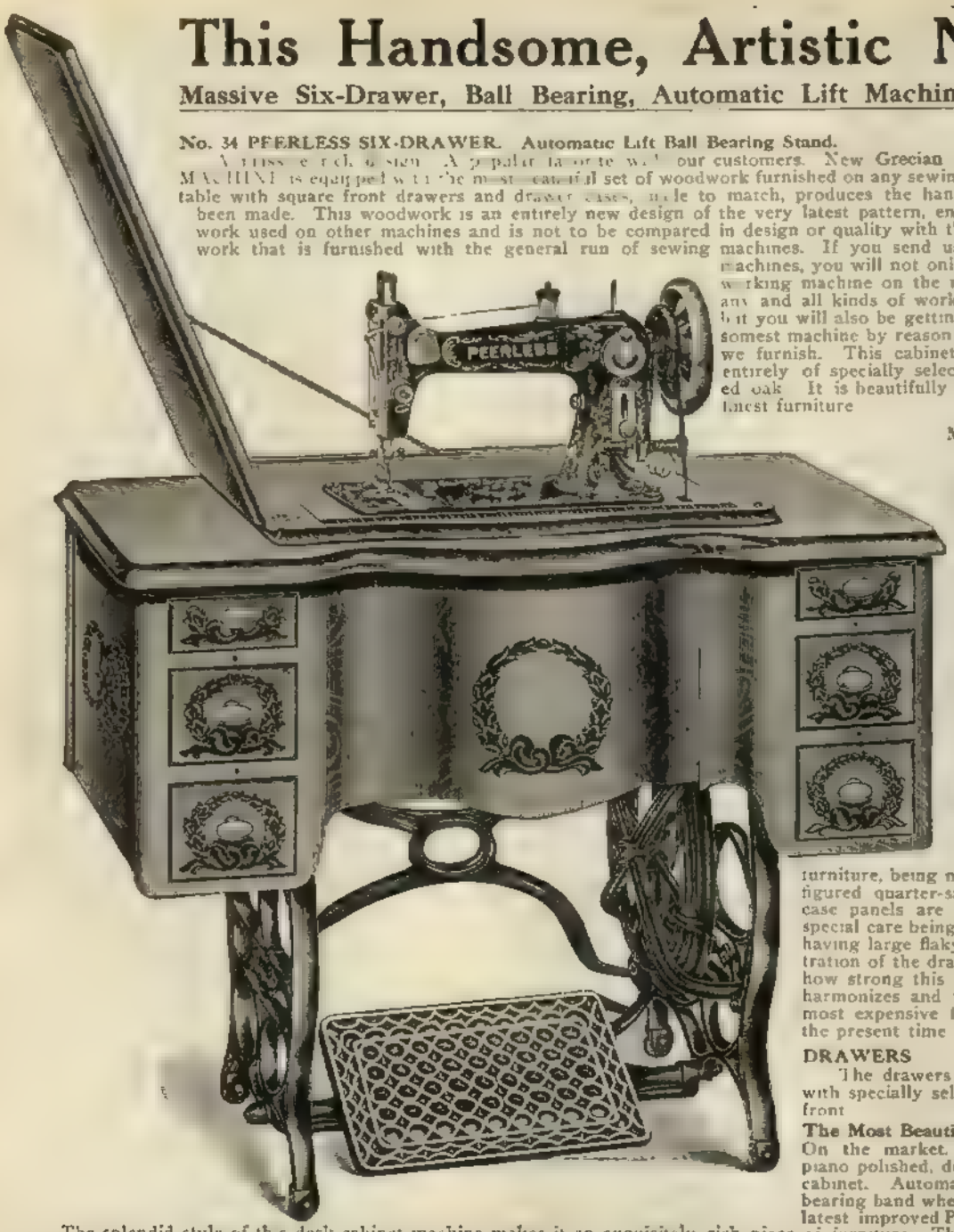
The following attachments and accessories are free with the ***Peerless***, No. E 12 and E 13, machines: One oil can filled with oil, one package of needles, one gauge screw, one foot hemmer, one screw driver, six bobbins, one combination screw driver, one thread cutter, one instruction book printed in five languages, viz: English, German, French, Spanish and Scandanavian. A complete set of attachments enclosed in a handsome quartered oak and velvet lined box, furnished free, consisting of the following: One tucker, one ruffler with shirring plate, one hemmer set (3 widths) and binder, one braider, one thread cutter; also one gauge, one gauge screw, one oil can filled), six bobbins, one instruction book, one combination screw driver, one hemmer (which is also a feller), one belt and coupling, one shuttle, one quilter, one dozen needles. Shipping weight of this machine 130 pounds

Style No. E-13 6 Drawer (as illustrated) - - - - - List price, $51.75

Style No. E-12 4 Drawer - - - - - - List price, 48.50

This Handsome, Artistic New Style

Massive Six-Drawer, Ball Bearing, Automatic Lift Machine, at only $55.00



No. 34 PEERLESS SIX-DRAWER. Automatic Lift Ball Bearing Stand.

A massive and rich design. A popular favorite with our customers. New Grecian style wood-work. Our No. 34 MACHINE is equipped with the most beautiful set of woodwork furnished on any sewing machine. The massive square table with square front drawers and drawer cases, made to match, produces the handsomest cabinet that has ever been made. This woodwork is an entirely new design of the very latest pattern, entirely different from the wood-work used on other machines and is not to be compared in design or quality with the cheaper and inartistic wood-work that is furnished with the general run of sewing machines. If you send us your order for one of these machines, you will not only be getting the finest and best working machine on the market, a machine that will do any and all kinds of work with the greatest satisfaction, but you will also be getting the most attractive and handsomest machine by reason of the new cabinet work which we furnish. This cabinet is a work of art, being made entirely of specially selected, nicely figured, quarter-sawed oak. It is beautifully finished, the equal of the very-finest furniture.

MATERIAL

The material is specially selected, beautifully grained, flaky figured, quarter-sawed oak, only the best of material of this kind is found on the woodwork turned out in this particular style.

THE TABLE

The table is double the thickness used on ordinary sewing machines and the French roll at each end blends harmoniously with the rounding corners and the general outline of this cabinet. The square drawer fronts with drawer cases to match give distinction in character to this handsome set of woodwork.

DRAWER CASES

The drawers are enclosed in the most handsome drawer cases ever made for sewing machine furniture, being made of specially selected, highly figured quarter-sawed oak stock. The drawer case panels are made of quarter-sawed veneer, special care being taken to use only those veneers having large flaky figures. A glance at the illustration of the drawer cases will show you at once how strong this construction is and how well it harmonizes and fits in with the very finest and most expensive furniture that is being made at the present time.

DRAWERS

The drawers are made of fine clear lumber with specially selected figured quarter-sawed oak front.

The Most Beautiful Cabinet Sewing Machine
On the market. With magnificently modeled, piano polished, double swell front, quartered oak cabinet. Automatic lift of latest design. Ball bearing band wheel and Pitman and finest quality, latest improved Peerless "B" Head.

The splendid style of this desk cabinet machine makes it an exquisitely rich piece of furniture. Think of having the most perfect sewing machine money can make, every late improvement of merit, every time and labor saving feature in a cabinet of such artistic worth and elegance that its beauty is rarely duplicated in the choicest and highest priced furniture.

CONSTRUCTION

This cabinet is made in the finest manner. The joining is perfect and adds to the artistic merit of the cabinet. While the expert artisans employed in making this cabinet kept beauty of design constantly before them as the ideal to be realized, no labor, pains or expense has been spared to make this an extremely durable cabinet suited to the hardest and longest service to which it can be put. Exquisitely finished with highest grade piano polish.

LIFT. The latest automatic type; simple, very strong and easy to operate.

HEAD

This machine has the very latest improved head with best type automatic bobbin winder; automatic tension release; delicate, simple and adaptable side disc tension; positive take-up operated by cam and self-threading and controlling perfectly any size or kind of thread, capped needle bar and presser bar absolutely accurate in stroke; positive four-motion feed extending on both sides of the needle. Shuttle is extra large, polished, gliding, self-threading, and takes an extra large bobbin. High arm, the largest used on any family machine; plenty of room for easy handling of bulkiest material. Can be oiled by swinging sliding plates in head. Nickeled, removable face plate. Automatic stitch regulator. Highest grade black enamel finish, with beautiful colored decorations. Richly nickeled trim. See illustration and complete description on another page.

BALL BEARING

The band wheel is fitted with finest ball bearings in which the best perfectly ground tempered steel balls and tempered steel cones are used. Pitman is made of best steel with best adjustable ball bearings. Hangers are securely mounted.

ATTACHMENTS FREE

With this magnificent machine a complete set of the latest improved "Gricst" nickeled steel attachments in fancy velvet lined box as described in another paragraph is also furnished. Shipped direct from factory near Chicago, Ill., securely wrapped and crated in a careful manner so that there is no danger of marring the woodwork. Shipping weight, 130 pounds.

STYLE No. 34 6-DRAWER, LIST PRICE..... $55.00

ONE MAN CROSS-CUT SAWS

WITH SUPPLEMENTARY HANDLE

*DIAMOND EDGE

Highest Grade Crucible Saw Steel Blade, Oil Tempered, Ground, Sharpened and Set, Full Polished and Etched Thin Back

No. DT302—CHAMPION TOOTH

Beech Handle, Varnished Edges, Three Brass Screws; Beech Supplementary Top Handle

Length, Feet	2½	3	3½	4	4½	5
Weight Each, Lbs	3	4	4½	6	7	8
Each	$2.60	2.80	3.00	3.20	3.60	3 90

No. DE302—CANADIAN PATTERN

Lance Tooth, Perforated

Beech Handle, Varnished Edges, Three Brass Screws; Beech Supplementary Top Handle

Length, Feet	2½	3	3½	4	4½	5
Weight Each, Lbs	2½	3¼	4	4½	5½	7½
Each	$2 30	2 50	2 90	2 40	3.00	4 00

*No. D302—BRIDGE, CHAMPION TOOTH

Extra Quality Crucible Saw Steel Blade, Polished and Etched; Oil Tempered, Carefully Ground, Sharpened and Set; Three Brass Screws; Beechwood Handle, Varnished Edges, Beech Supplementary Top Handle

Length, Feet	3	3½	4	4½	5
Weight Each, Lbs	3½	4½	5½	7	9
Each	$2 00	2.20	2.60	3.70	4.00

DIGESTON

High Grade Steel Blade, Perfectly Tempered, Set and Sharpened, Polished and Etched, Thin Back; Beech Handle, Varnished Edges, Brass Screws; Beech Supplementary Top Handle

No. D202—CHAMPION TOOTH

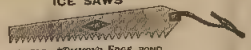
Length, Feet	3	3½	4	4½	5
Weight Each, Lbs	3¼	4½	5½	7½	9
Each	2 50	3 00	3.50	3.70	4 00

No. DE202—GREAT AMERICAN TOOTH

Length, Feet	3	3½	4	4½	5
Weight Each, Lbs	3¼	4½	5½	6	7
Each	3.00	3 00	3.50	4 00	4.50

Longer

ICE SAWS



No. DEP—*DIAMOND EDGE, POND

For Cutting Ice from the Pond, Lake or River

Best Grade Polished Cast Steel, Deep Plate Tooth, Teeth Filed and Set; 11 Gauge Steel Blade, 5 inches Wide at Point, 7 inches Wide at Bar

Japanned Malleable Iron Handle, with Beech Hand Bar	4	4½	5
Length, Feet	11	12	13
Weight Each, Lbs	5 00	5.50	6.00
Each			

*DIAMOND EDGE, HAND

For Use on Ice Wagons, in Cold Storage Houses and by Ice Dealers

WIDE

15 Gauge Steel Blade, Width at Heel 5½ Inches; Japanned Malleable Iron Handle Fastened to Blade by Two Heavy Iron Rivets, Deep Plate Tooth

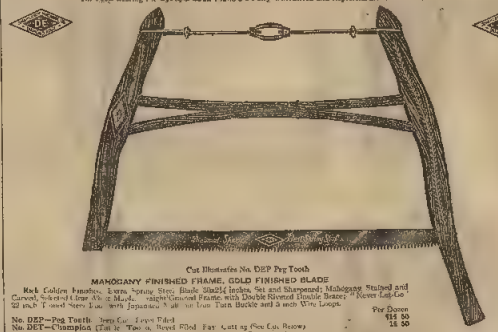
	DEP28A	DEP28	DEP38	DEP50
Nos.	24	28	36	50
Length, Inches	24	28	36	50
Weight Each, Lbs.	15 50	17 50	19 00	20 50
Per Dozen				

Loose

WOOD OR BUCK SAWS

*DIAMOND EDGE

Diamond Edge Wood Saws are Bevel Filed by Hand, Every Tooth has a Fine Needle Point and will Cut Faster than any Other kind. Every Blade is Carefully Tempered in Oil and Hardened, to a Toughness that will Hold a Fine Cutting Edge. All Tools Bearing the Diamond Edge Brand are Fully Warranted and Represent the Acme of Tool Making.



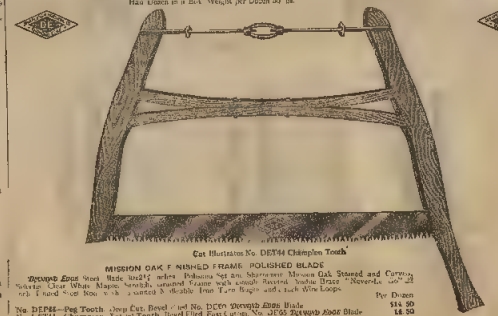
Cut Illustrates No. DEP Peg Tooth

MAHOGANY FINISHED FRAME, GOLD FINISHED BLADE

Rich Golden Finished, Extra Strong Steel Blade 30x24 inches, Set and Sharpened; Mahogany Stained and Carved, Selected Close Grain Hard Wood Frame with Double Riveted Handle Brace, Nickel Lag Screws, 22 inch Tinned Steel Rod with Japanned Malleable Iron Turn Buckle and 3 inch Wire Loops.

	Per Dozen
No. DEP—Peg Tooth, Deep Cut, Deep Filed	$14 50
No. DET—Champion (Tatle Tooth), Deep Cut, Bevel Filed, Fast Cutting Peg Tooth Pattern	16 50

Have Frames in a Box. Weight per Dozen 50 lbs.



Cut Illustrates No. DET44 Champion Tooth

MISSION OAK FINISHED FRAME, POLISHED BLADE

Diamond Edge Steel Blade 30x24 inches, Polished Set and Sharpened; Mission Oak Stained and Carved, Selected Close Grain Hard Wood Frame with Double Riveted Handle Brace, Nickel Lag Screws, 22 inch Tinned Steel Rod with Japanned Malleable Iron Turn Buckle and 3 inch Wire Loops.

	Per Dozen
No. DEP44—Peg Tooth, Deep Cut, Bevel Filed	$14 50
No. DET44—Champion (Table) Tooth, Bevel Filed, Fast Cutting, No. DE50 Diamond Edge Blade	16 50

Half Dozen in a Box, Weight per Dozen 50 lbs.

"DIAMOND EDGE IS A QUALITY PLEDGE"

CROSS-CUT SAWS
DIAMOND EDGE

Made of Finest Grade Saw Steel, Tempered in Oil, Polished and Etched. Filed by Hand and Gulleted Filed Clean. Ground by a Special Process to Five Gauges Thinner at Center as Back Edge then at Cutting Edge and Three Gauges Thinner than where Handles are Attached. From Center of Back to Ends, Tapering and Increase to the Cutting Edge from Center of Back. This Reduces Friction and Causes the Saw to Run Light and Prevents Binding in Log.

Every *DIAMOND EDGE* Cross Cut Saw is Fully Warranted, not only against imperfections, but to cut as fast and with as much ease as any saw made.

DE148—14x18 Gauge—Thin Back—DIAMOND TOOTH

Length, Feet	5	6	6½
Width at Center, Inches	5½	5½	6
Weight Each, Lbs.	7	7½	8½
Each, Without Handles	$ 4.20	$ 4.60	$ 5.00

No. DE118—14x18 Gauge—Meta Back—LANCE TOOTH, PERFORATED

14 Gauge at Tooth Edge; Back 18 Gauge at Ends, Tapering to 20 Gauge at Center; Polished and Etched.

Length, Feet	5½	6	7
Width at Center, Inches	5½	5¾	6¼
Weight Each, Lbs.	7½	8	9½
Each, Without Handles	$4.90	5.30	5.70	6.50

No. DE118—14x18 Gauge—COTTONWOOD PATTERN—LANCE TOOTH, PERFORATED

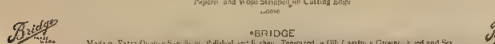
Narrow Web, Handy Cutting Teeth, Easy Running

14 Gauge at Tooth Edge; Back 18 Gauge at Ends, Tapering to 20 Gauge at Center; Polished and Etched.

Length, Feet	5½	6	6½	7
Width at Center, Inches	5½	5¾	6	6¼
Weight Each, Lbs.	7½	8¼	8½	9½
Each, Without Handles	5.30	5.70	6.00	6.70

Peppered and Wood Stripped on Cutting Edge

Loose



No. B118—14 x 18 Gauge, LANCE TOOTH

14 Gauge at Cutting Edge; 18 Gauge at Back Edge; Polished and Etched

Length, Feet	5	5½	6	6½	7
Width at Center, Inches	5½	5¾	6	6¼	6½
Weight Each, Lbs.	6½	6¾	7½	7¾	8
Each, Without Handles	$3.80	4.00	4.20	4.40	4.60

No. B100—24 x 28 Gauge, LANCE TOOTH PERFORATED

14 Gauge at Cutting Edge; 28 Gauge at Back Edge; Polished and Etched

Length, Feet	5½	6	6½	7
Width at Center, Inches	7	7½	7¾	7¾
Weight, Each, Lbs.	9	9½	9¾	10
Each, Without Handles	$4.50	4.70	5.00	5.50

Loose

Above Prices do not Include Handles.

CROSS-CUT SAWS
DIAMOND EDGE

Made of Finest Grade Saw Steel, Tempered in Oil, Polished and Etched. Filed by Hand and Gulleted Filed Clean. Ground by a Special Process to Five Gauges Thinner at Center as Back Edge then at Cutting Edge and Three Gauges Thinner than where Handles are Attached. From Center of Back to Ends, Tapering and Increase to the Cutting Edge from Center of Back. This Reduces Friction and Causes the Saw to Run Light and Prevents Binding in Log.

Every *DIAMOND EDGE* Cross Cut Saw is Fully Warranted, not only Against Imperfections, but to Cut as Fast and with as Much Ease as Any Saw Made.

No. DE118—14x18 Gauge—LANCE TOOTH

14 Gauge at Tooth Edge, Back 18 Gauge at Ends, Tapering to 20 Gauge at Center; Polished and Etched

Length, Feet	5	5½	6	6½	7	7½	8
Width at Center, Inches	6¼	6	7¼	7¾	7¾	7¾	8¼
Weight, Each, Lbs.	6	6½	7¼	8½	8½	9½	10½
Each, Without Handles	$4.70	5.20	5.70	6.20	6.60	7.30	8.00

No. DE148—14x18 Gauge—DIAMOND TOOTH

14 Gauge at Tooth Edge; Back 18 Gauge at Ends, Tapering to 18 Gauge at Center; Polished and Etched

Length, Feet	5½	6	6½
Width at Center, Inches	6½	6¾	7¼
Weight, Each, Lbs.	6	7½	8
Each, Without Handles	$3.50	4.00	4.20

DE148—14x18 Gauge—TUTTLE TOOTH

14 Gauge at Tooth Edge, Back 18 Gauge at Ends, Tapering to 20 Gauge at Center; Polished and Etched

Length, Feet	5½	6	6½	7
Width at Center, Inches	7½	7½	7½	8
Weight Each, Lbs.	6¾	7⅜	8¼	9¼
Each, Without Handles	$4.60	5.00	5.30	5.70

DE118D—14x18 Gauge—LANCE TOOTH, PERFORATED

14 Gauge at Tooth Edge; Back 18 Gauge at Ends, Tapering to 20 Gauge at Center; Punched and Etched

Length, Feet	5	5½	6	6½	7
Width at Center, Inches	6¼	6¼	6¾	6¾	7
Weight, Each, Lbs.	5½	6	6½	7½	8
Each, Without Handles	$3.20	3.70	4.00	4.30	4.70

Peppered and Wood Stripped on Cutting Edge

Loose

Above Prices Do not Include Handles

DIAMOND EDGE IS A QUALITY PLEDGE

CROSS-CUT SAWS

Bridge Saw

BRIDGE

Bridge Saw

Made of Extra Quality Saw Steel, Polished and Etched, Tempered in Oil, Carefully Ground, Filed and Set.

No. 2148—14x16 Gauge, TUTTLE TOOTH
14 Gauge at Cutting Edge, 18 Gauge at Back Edge, Polished and Etched

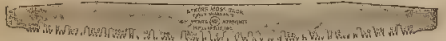
Length, Feet	5	5½	6	6½
Width at Center, Inches	6½	7	7½	8
Weight Each, Lbs	4	4½	5	5½
Each, Without Handles	$4.00	$4.50	$5.00	$5.50

No. 2152—14 x 16 Gauge, PLAIN TOOTH
14 Gauge at Cutting Edge, 18 Gauge at Back Edge, Polished and Etched

Length, Feet	5	5½	6
Width at Center, Inches	6½	7	7½
Weight Each, Lbs	4½	5	5½
Each, Without Handles	$3.50	$ 4.00	$ 4.50

A Proven Loser

E. C. ATKINS & CO



MOSS BACK. (Illustration of Lance Tooth, Perforated)

Segment Ground (See Description at Top of Page 89). 14 Gauge at Tooth Edge, 18 Gauge at Back Edge

In receiving all the improvements as Crosscut saws, Practical economists of Packers of our Assorted Edge Thin Back, Hollow Back, Skull Ends, Hand Ground, Down to suit of Cut, Perforated Inside Diamond Teeth and Raker, Segment Ground, 16-20 Gauge of Steel. Hard and Tough Temper, Perfection in Manufacture and Finish, Each Saw Warranted Perfect in Every Respect.

Length, Feet	4	4½	5	5½	6	6½	7	7½	8
Width at Center, Inches	5	5¼	6½	5¼	6½	5½	7	7½	8
Weight Each, Lbs	4	4½	5	6	7	8	9	11	12
✣ No. 276—Special Steel, Beaver Tooth, Perforated	Each $2.90	3.05	4.15	4.40	4.80	5.10	5.45	6.45	6.90
	Pair 5.55	5.85	8.00	8.50	9.25	9.75	10.50	12.50	13.30
✣ No. 278S—Silver Steel, Beaver Tooth, Perforated	Each 3.10	3.25	4.30	4.60	5.00	5.35	5.70	6.75	7.20
	Pair 5.95	6.25	8.25	8.85	9.65	10.30	11.00	13.00	13.85
✣ No. 278—Silver Steel, Beaver Tooth (Refleshed)	" 3.10	3.25	4.30	4.60	5.00	5.35	5.70	6.75	7.20
	" 5.95	6.25	8.25	8.85	9.65	10.30	11.00	13.00	13.85
✣ No. 277—Special Steel, Lance Tooth	" 3.04	3.17	3.30	3.63	3.96	4.29	4.62	5.28	5.61
	" 5.80	6.05	6.30	6.90	7.55	8.20	8.80	10.05	10.70
✣ No. 272—Special Steel, Tuttle Tooth	" 2.90	3.05	3.20	3.50	3.85	4.15	4.45	5.10	5.45
	" 5.55	5.85	6.10	6.70	7.35	7.95	8.50	9.75	10.40
✣ No. 275—Special Steel, Lance Tooth, Perforated	" 3.04	3.17	3.30	3.63	3.96	4.29	4.62	5.28	5.61
	" 5.80	6.05	6.30	6.90	7.55	8.20	8.80	10.05	10.70
✣ No. 273—Special Steel, Tuttle Tooth, Perforated	" 2.90	3.05	3.20	3.50	3.85	4.15	4.45	5.10	5.45
	" 5.55	5.85	6.10	6.70	7.35	7.95	8.50	9.75	10.40

Above Prices do not include Handles

No. 225—VICTOR, LANCE TOOTH, PERFORATED
Loser

High Grade, Oil Tempered Special Steel, Properly Ground and Set, 18 Gauge at Tooth Edge, 18 Gauge at Back Edge. This Saw Much Liked and Largely Used in the Northwestern Country.

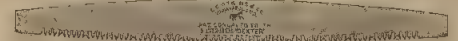
Length, Feet	5	5½	6	6½	7
Width at Center, Inches	6	6¼	6½	6¾	6¾
Weight Each, Lbs	4½	5½	7	8½	9½
Each, Without Handles	$3.50	$ 3.75	$ 4.00	$ 5.00	$ 5.40

Items Marked ✣ Not Carried in Stock; Can Only be Furnished by Shipping Direct from Factory, F. O. B., Indianapolis, Ind.

CROSS-CUT SAWS

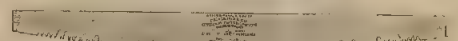
E. C. ATKINS & CO.

Made of High Grade Crucible Steel, Evenly Tempered, Carefully Ground, Sharpened and Set, Polished and Etched, Every Saw as Carefully Tested for Temper and Fitted Perfectly as Use Before Shipment



DEXTER TOOTH
Thin Back

Length, Feet	5½	6	6½	7	7½	8
Width at Center, Inches	6½	7	7½	8	8½	8½
Weight Each About, Lbs	6	7	8	9	10½	10½
No. 219—Special Steel, 14x18 Gauge, Each, Without Handles	$4.40	4.80	5.20	5.60		
	5.30	5.80	6.25	6.75		
No. 220—Special Steel, 14x19 Gauge—Each, Without Handles		$4.80	5.20	5.60	6.00	6.40
		5.80	6.25	6.75	7.25	7.70
No. 80—Silver Steel, 14x16 Gauge; Each, Without Handles		$5.70	6.40	7.40		
Weld Stripped on Cutting Edge		6.75	7.70	8.80		

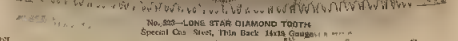


TUTTLE TOOTH
Thin Back

Length, Feet	5	5½	6	6½	7	7½
Width at Center, Inches	6½	7	7½	7¾	8	8½
Weight Each About, Lbs	6	6½	7	8	9½	10
No. 230—Special Steel, 14x16 Gauge, Each, Without Handles		$2.60	2.80	3.00	3.40	3.80
		3.50	3.80	4.20	4.65	
No. 233—Special Steel, 14x18 Gauge, Each, Without Handles		$2.80	3.10	3.35	3.64	
		3.85	4.30	4.70	5.20	
No. 232—Special Steel, 14x19 Gauge, Each, Without Handles		$2.80	3.00	3.30	3.60	4.00
		3.85	4.20	4.70	5.00	5.50
✣ No. 237—Silver Steel; 14x20 Gauge; Each Without Handles		$4.00	5.00	6.00		
		5.80	6.75	7.70		

No. 213—DIAMOND TOOTH
Special Steel, Thin Back, 14x18 Gauge.

Length, Feet	5½	6	6½
Width at Center, Inches	6½	7	7½
Weight Each About, Lbs	6½	7	8½
Each, Without Handles	$3.80	4.20	4.60



No. 223—LONE STAR DIAMOND TOOTH
Special Cast Steel, Thin Back 14x18 Gauge

Length, Feet	5	6	6½	7
Width at Center, Inches	6½	7	7½	8
Weight Each, Lbs	5½	6½	7½	8½
Each, Without Handles	$3.50	4.00	4.35	4.70

Above Prices Do not Include Handles

Loser

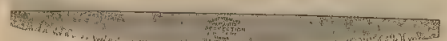
NOTE—The following Numbers of Saws can be Furnished Toothed to the End from Factory only at same Prices as Regular Stock: Nos. 219, 220, 80, 232 and 233.

Items Marked ✣ Not Carried in Stock; Can Only be Furnished by Shipping Direct from Factory, Indianapolis, Ind.

CROSS-CUT SAWS

ATKINS SEGMENT GROUND SILVER STEEL

Made of High Grade Crucible Steel, Evenly Tempered, Carefully Ground, Sharpened and Set. Polished and Etched. Segment Grinding Consists in Grinding Away Metal on Line of Top Plate, Leaving Back of Tooth Same Thickness as Back of Saw, Except at Ends and Allowing for Wear on the Teeth Side, Without Making the Saw Thinner in the Center than at the Ends.

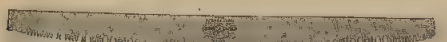


Made in Silver Steel Only

PERFECTION LANCE TOOTH, PERFECTED

14 Gauge at Cutting Edge, 16 Gauge at Ends on Back, 20 Gauge at Center of Back Edge

Length, Feet	5	6	7
Width at Center, Inches	6½	6¾	7
Weight Each, Lbs	7	7¼	7½
No. 5—Silver Steel, Each, Without Handles	7	7½	8
	$4 80	$ 5 40	$ 6 00	7 20
	5 25	6 75	7 50	9 00



No. 6—PERFECTION, NO. 4 BLADE, COTTON WOOD PATTERN, LANCE TOOTH, PERFECTED

Narrow Width, for Cutting Cottonwood and Other Soft Woods

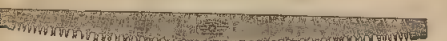
Silver Steel; 14 Gauge at Cutting Edge, 16 Gauge at Ends on Back, 20 Gauge at Center of Back Edge

Length, Feet	5	6	7
Width at Center, Inches	6	6¾	6½
Weight Each, Lbs	6	6¾	7
Each, Without Handles	$5 60	$ 6 40	$ 7 20
	6 75	7 70	8 80

No. 8—REX, No. 2; REX TOOTH

Thin Back—14 Gauge at Cutting Edge, 16 Gauge at Ends on Back, 20 Gauge at Center of Back Edge Silver Steel

Length, Feet	6	7
Width at Center, Inches	6	6½
Weight Each, Lbs	7	7½
Each, Without Handles	$5 80	$ 6 40
	6 75	7 70



No. 5—PEERLESS

Silver Steel; Thin Back Narrow Blade, 14 Gauge at Cutting Edge, 16 Gauge at Ends on Back, 20 Gauge at Center of Back Edge

Length, Feet	6	7
Width at Center, Inches	6¾	7
Weight Each, Lbs	6½	6¾
Each, Without Handles	7	7¼
	$5 60	$ 6 40	7 20
	6 75	7 70	8 80

Loose

Stripped with Wood on Cutting Edge

Above Prices do not Include Handles

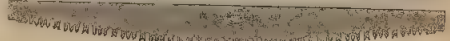
NOTE—The following Numbers of Saws can be Furnished Toothed to the Rod from Factory only at same Prices as Regular Stock: Nos. 5, 6 and 8.

CROSS-CUT SAWS

SIMONDS MFG. CO. CRESCENT GROUND

Made of Highest Grade Crucible Cast Steel, Oil-Tempered, Hand Filed and Set and Highly Polished and Etched

The Improvement in the Simonds Crescent Ground Cross-Cut Saw Consists in Grinding the Saw a Crescent Lines, Parallel to the Cutting Edge, as Shown in the Cut Marked "Crescent Ground," in which case the Teeth are of Even Thickness Throughout the Entire Length of Saw while the Blade is Ground Thinner on the Back, and is Equal Thickness or Tapers Slightly from the Teeth to the Back. Being Two Gauges Heavier and Consequently Stiffer at the Ends, the Occasional Set Required for Clearance, in Felling Trees is Reduced to a Minimum, Thus Rendering it Less Liable to Buckle and Run Crooked, as well as Preventing Cracking at the "Buckle" and, for Felling Trees it Has Been Demonstrated that it is Far Superior.

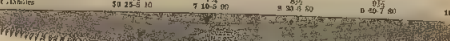


No. 23—CANADA PATTERN LANCE TOOTH, PERFECTED

Crescent Ground, Four Cutting Teeth to One Raker Tooth

14 Gauge at Center of Cutting Edge, 16 Gauge at Back on Ends, 18 Gauge at Center of Back Edge

Length, Feet	5	6	7	8
Width at Center, Inches	6½	6¾	7	7½
Weight Each, Lbs	6½	7¼	7¾	8¼
Each, Without Handles	$5 25-5 10	6 00-7 00	6 75-8 50	9 00-7 80	10 70-9 90

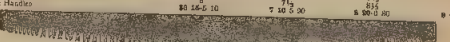


No. 18—TUTTLE TOOTH

Crescent Ground; Two Cutting Teeth to One Raker Tooth

16 Gauge at Center of Cutting Edge, 19 Gauge at Back on Ends, 19 Gauge at Center of Back Edge

Length, Feet	5	6	7	8
Width at Center, Inches	6½	6¾	7	7½
Weight Each, Lbs	6½	7¼	7¾	8¼
Each, Without Handles	$5 10-5 10	7 10-5 90	8 00-6 80	10 70-7 80



No. 316—COTTON WOOD PATTERN, DIAMOND TOOTH, PERFECTED

Crescent Ground; Narrow Width Blade; Two Cutting Teeth to One Raker Tooth

19 Gauge at Center of Cutting Edge, 16 Gauge at Back on Ends, 19 Gauge at Center of Back Edge

Length, Feet	5	6	7	8
Width at Center, Inches	6	6¼	7	7½
Weight Each, Lbs	5	6	6¾	7¾
Each, Without Handles	$7 10-5 90	8 20-6 60	9 00-7 80

No. 326—COTTONWOOD PATTERN, LANCE TOOTH

Crescent Ground, Narrow Width Tooth and Blade, Four Cutting Teeth to One Raker Tooth

14 Gauge at Center of Cutting Edge, 16 Gauge at Back on Ends, 19 Gauge at Center of Back Edge

Length, Feet	5	6	7	8
Width at Center, Inches	6	6¼	7	7½
Weight Each, Lbs	5	6	6¾	7¾
Each, Without Handles	$7 10-5 90	8 20-6 60	9 00-7 80

No. 325—COTTONWOOD PATTERN, CHAMPION TOOTH

Crescent Ground, Narrow Width Blade, Two Cutting Teeth to One Raker Tooth

16 Gauge at Center of Cutting Edge, 19 Gauge at Back on Ends, 19 Gauge at Center of Back Edge

Length, Feet	5	6	7	8
Width at Center, Inches	6	6¼	7	7½
Weight Each, Lbs	5	5¾	6¾	8¼
Each, Without Handles	$7 10-5 90	8 20-6 60	9 00-7 80

All Above Saws Wood Stripped on Cutting Edge

Loose

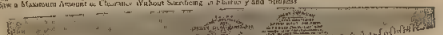
Above Prices do not Include Handles

"DIAMOND EDGE IS A QUALITY PLEDGE"

CROSS-CUT SAWS

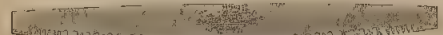
HENRY DISSTON & SONS

Made of Fine Grade Crucible Cast Steel Uniformly Tempered, Ground Carefully, Sharpened and Set Polished and Etched Ground to an Even Gauge Throughout the Tooth Edge, with a Reliable and Uniform Thickness Throughout the Body to a Thinner Extra Thin Edge at Back Edge Giving the Saw a Maximum Amount of Clearance Without Sacrificing Strength or Stiffness



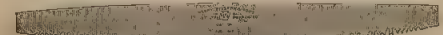
No. DGA—GREAT AMERICAN TOOTH
16 Gauge at Teeth Edge, 18 Gauge at Back Edge
This Style of Tooth a Saw Kept in Order and Set at Short Intervals Will Cut Through the Log Requires Less Effort to Drive It
Great American Files Recommended for Sharpening this Saw

Length, Feet	5	5½	6	6½	7
Width at Center, Inches	6¾	7	7	7	7¼
Weight Each, Lbs	4½	4¾	5	5½	6
Each, Without Handles	$4 00				$ 50



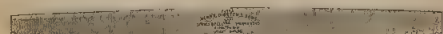
No. DDG—DIAMOND TOOTH
16 Gauge at Teeth Edge, 20 Gauge at Back Edge, Two Cutting Teeth to One Raker Tooth

Length, Feet	5	5½	6	6½	7
Width at Center, Inches	6½	7	7½	7	7¼
Weight Each, Lbs	4	4½	5	5½	6
Each, Without Handles	$3 80	4 20	4 50	5 10	5 50



No. LCDG—CHAMPION TOOTH
18 Gauge at Cutting Edge, 20 Gauge at Back Edge

Length, Feet	5	5½	6	6½	7	7½
Width at Center, Inches	7	7½	7½	7½	7½	8½
Weight Each, Lbs	5½	6	7½	8½	9½	22½
Each, Without Handles	$3 20	3 58	3 80	4 25	4 60	5 00



No. DPG—PLAIN TOOTH
16 Gauge at Cutting Edge, 20 Gauge at Back Edge

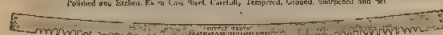
Length, Feet	5	5½	6	6½	7
Width at Center, Inches	6½	7	7	7½	7½
Weight Each, Lbs	4½	5½	7	7	7½
Each, Without Handles	$3 60	3 80	3 80	3 80	4 00

Loose

NARROW CROSS-CUT SAWS

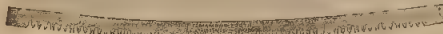
E. C. ATKINS & CO.

Polished and Etched. Fine Cast Steel, Carefully Tempered, Ground, Sharpened and Set



No. 270—TUTTLE TOOTH
Special Steel, 3½ Inches Wide, 18 Gauge, Two Cutting Teeth to One Raker Tooth

Length, Feet	6	6½	7	7½
Width Each, Ins	3½	4	4½	5
Weight Each, Lbs	$1 50	1 63	1 80	1 90
Each, Without Handles	1 80	1 75	1 80	2 00



No. 284—DIAMOND TOOTH
Special Steel, 3½ Inches Wide, 14 Gauge, Two Cutting Teeth to One Raker Tooth

Length, Feet	5	5½	6	6½	7
Width Each, Ins	3½	4	4	4	4
Weight Each, Lbs	2	2	2	2	2½
Each, Without Handles	$1 80	$1 85	$ 90	$1 95	$2 00
	1 80	2 00	2 20	2 33	2 55

Above Prices do not Include Handles

NARROW CROSS-CUT SAWS

Designed for Felling Cedar and Other Small Timber and Used by Farmers, Tie Makers, etc.

"DIAMOND EDGE"

Made of Special High Grade Steel Thoroughly Tempered and Carefully Ground Hand Filed and Set, Highly Polished and Etched

No. DE404—LARGE TOOTH, PERFORATED
3½ Inches Wide, 14 Gauge Four Cutting Teeth to One Raker Tooth

Length, Feet	5	5½	6	6½
Weight, Each, Lbs	3	4	4	4½
Each, Without Handles	$2 00	2 20	2 25	2 50

No. DE406—DIAMOND TOOTH
3½ Inches Wide, 14 Gauge, Two Cutting Teeth to One Raker Tooth

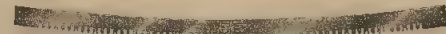
Length, Feet	5	5½	6	6½
Weight, Each, Lbs	3	3½	4	4½
Each, Without Handles	$1 70	1 80	2 00	2 20

No. DE404—CHAMPION TOOTH
3½ Inches Wide, 14 Gauge, Two Cutting Teeth to One Raker Tooth

Length, Feet	5	5½	6	6½
Weight, Each, Lbs	3½	4	4½	4½
Each, Without Handles	$1 70	1 80	2 00	2 20

"BRIDGE"

High Grade Steel Oil Tempered, Hand Ground, Sharpened and Set, Polished and Etched



No. B206—DIAMOND TOOTH
3½ Inches Wide, 14 Gauge, Two Cutting Teeth to One Raker Tooth

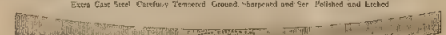
Length, Feet	5	5½	6	6½
Weight, Each, Lbs	3½	4	4½	4½
Each, Without Handles	$1 70	1 80	2 00	2 20

No. B204—CHAMPION TOOTH
3½ Inches Wide, 14 Gauge, Two Cutting Teeth to One Raker Tooth

Length, Feet	5	5½	6	6½
Weight, Each, Lbs	3½	4	4½	4½
Each, Without Handles	$1 70	1 80	2 00	2 20

HENRY DISSTON & SONS

Extra Cast Steel Carefully Tempered Ground, Sharpened and Set Polished and Etched



No. D04—TRIUMPH CHAMPION TOOTH
3½ Inches Wide, 14 Gauge, Two Cutting Teeth to One Raker Tooth

Length, Feet	5	5½	6	6½	7
Weight, Each, Lbs	3½	4	4½	5	5
Each, Without Handles	$2 60	2 20	2 50	2 80	$3 00

Loose
Above Prices do not Include Handles

"DIAMOND EDGE IS A QUALITY PLEDGE"

CROSS-CUT SAW HANDLES

LOOP HANDLES

Note All Cross Cut Saw Handles are now Packed Twelve Pairs to a Corrugated Cardboard Carton. Do not break Cartons unless absolutely necessary.

***DIAMOND EDGE**
Malleable Iron Loop
Solid Iron Combination Slug, Plug and Nut, Malleable Iron Bell Ferrule and Cap, Painted Red

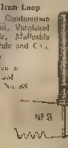
No. DEE—10½ inch Handle, 4½ inch Loop, 2 inch Ferrule. Per Pair Weight per Pair 2 lbs. $0.32
12 Pairs in a Carton

ATKINS
Wrought Loop
Solid Iron Combination Plug and Nut, Malleable Iron Bell Ferrule and Cap, Painted Black

Comparative to Ely No. 18 Disston No. 1080

No. 18—9½ inch Handle, 4 inch Loop, 2 inch Ferrule. Weight per Pair 2 lbs. Per Pair $0 60
12 Pairs in a Carton

ATKINS
Malleable Iron Loop
Solid Iron Combination Plug and Nut, Varnished Beech Handle, Malleable Iron Bell Ferrule and Cap, Painted Black



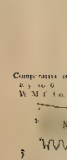
Comparative to Ely No. 2 Disston No. 108

No. 8—10 inch Handle, 4½ inch Loop, 2 inch Ferrule. Weight per Pair 2½ lbs. Per Pair $0 60
12 Pairs in a Carton

CRESCENT
Heavy Malleable Loop
Loop Screwed to Bolt, Which Extends Through Handle and a Rivet at End. Wax Finish Beech Handle, Malleable Cap and Ferrule, Painted Black

No. 28—12 inch Handle, Including 2½ inch Cuff; 4 inch Loop. Weight per Pair 2 lbs. Per Pair $0.70
12 Pairs in a Carton

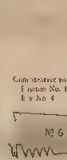
Comparative to W. M. & C. No. 3



ATKINS
Heavy Patent Swivel
Malleable Loop
Varnished Beech Handle, Malleable Iron Ferrule and Swivel Combination Iron Plug and Nut

No. 3—10 inch Handle, 4 inch Loop, 1¾ inch Ferrule. Weight per Pair 2 lbs. Per Pair $0 60
12 Pairs in a Carton

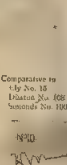
Comparative to Disston No. 107 Ely No. 4



ATKINS
Patent Swivel, Malleable Loop
Varnished Beech Handle Malleable Iron Ferrule and Swivel Combination Iron Plug and Nut

No. 6—9 inch Handle, 4 inch Loop, 1¾ inch Ferrule. Weight per Pair 2 lbs. Per Pair $0.60
12 Pairs in a Carton

Comparative to Ely No. 15 Disston No. 108 Simonds No. 100



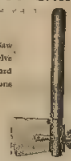
EXCELSIOR
Malleable Iron Loop
Plain Beech Handle, Cast Iron Ferrule and Swivel Cap, Combination Iron Plug and Nut

No. 10—9½ inch Handle, 4¼ inch Loop, 1¾ inch Ferrule. Weight per Pair, 1¾ lbs. Per Pair $0.60
12 Pairs in a Carton

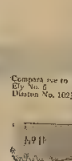
CROSS-CUT SAW HANDLES

NOTE All Cross Cut Saw Handles are now Packed Twelve Pairs in a Corrugated Cardboard Carton. Do not break Cartons unless absolutely necessary.

***DIAMOND EDGE** Per Pair
No. DEE—Reversible, 10½ inch Panelled Ash Handle, Red Painted Malleable Iron Shanks, Tinned Bolt and Thumb Nut, Weight per Pair, 4¾ lbs. $0.32
12 Pairs in a Carton



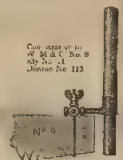
CLIMAX, HEAVY Per Pair
No. 22—Reversible, 14 inch Plain Beech Handle, Plain Malleable Iron Heavy Shanks and Thumb Nut, Steel Bolt, Weight per Pair, 4¾ lbs. $0.30
12 Pairs in a Carton



Comparative to Ely No. 6 Disston No. 1025

CLIMAX, LIGHT Per Pair
No. 11 Reversible, 14 inch Plain Beech Handle, Plain Malleable Iron Clasps, Weight per Pair, 3¼ lbs. $0 30
12 Pairs in a Carton

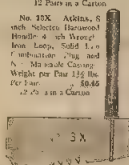
Comparative to W. M. & C. No. 9 Ely No. 14 Disston No. 113



REVERS D.B. BRACKET
Per Pair Per Pair
No. 9—Atkins, 9 inch Malleable Loop Malleable Saw Plate Bracket 9½ inch Arm, Plain Beech Handle, 12 inches, Blade Can be Fixed to Cut at Four Directions. Weight per pair 2½ lbs. $0 50
12 Pairs in a Carton

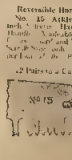
No. 26—Atkins, 10 Inch Selected Hardwood Handle, 4½ inch Wrought Iron Loop, Solid Iron Combination Plug and Nut, Malleable Casting, Weight per pair 2¾ lbs. $0 35
12 Pairs in a Carton

No. 28—Atkins, 8 inch Plain Beech Handle, 4¼ inch Wrought Iron Loop, Cap and Nut combined in One Solid Iron Casting, Loop extends Through Handle Weight per Pair, 1¾ lbs. $0 70
1 Pairs in a Carton



No. 13X—Atkins, 8 inch Selected Hardwood Handle, 4 inch Wrought Iron Loop, Solid Iron Combination Plug and Nut, Malleable Casting, Weight per Pair 1¾ lbs. Per Pair $0.45
12 Pairs in a Carton

Reversible Handle
No. 14—Atkins, 12 inch Selected Hardwood Handle, Malleable Iron Shanks and Thumb Nut, Steel Bolt, Weight per Pair 4¼ lbs, Per Pair $0.60
12 Pairs in a Carton



Reversible Handle
No. 15—Atkins, 12 inch Twin Handle and Handle Malleable Iron Shanks and Thumb Nut Screw, Weight per Pair 4¼ lbs. Per Pair $0.60
12 Pairs in a Carton

ONE MAN CROSS CUT SAW HANDLES

REGULAR
Per Dozen
No. D—Regular or Pair Handle, Hand Forged and Warranted Steel Shank and Wrought Straight Back, Long Slot in Wide Hand Hold, Tinned Pair Dozen in a Box, Weight per Dozen 7 lbs. $5.00

SUPPLEMENTARY
Per Dozen
No. S—Enough necessary for Point, Handle Varnished Hardwood, 3 Malleable Shanks, Malleable Iron Ferrule, 3 Malleable Iron Shank and Hook, Weight per Dozen 6 lbs $2 50
One Dozen in a Box

"DIAMOND EDGE IS A QUALITY PLEDGE"

RAZORS

DURHAM DEMONSTRATOR

The Durham Demonstrator was designed to prove the merits of Durham Duplex blades. It is equally as good a shaving instrument as the Standard Set.

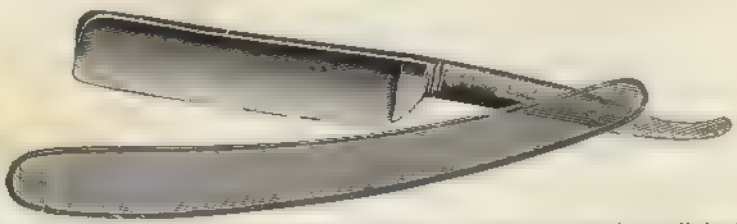
After using a Demonstrator should the customer desire a standard set, 50 cents will be allowed on the Demonstrator if returned to us with coupon.

Durham Demonstrator with one double edge blade in pasteboard carton, weight 3 ounces, . . . each $0.35

H. BOKER

No. 95 Full Hamburg ground, tang and back silver plated, box point, 5/8 inch Blade, horn celluloid handle . . . . . per dozen **$36.00**

No. 101 Red Indian, full Hamburg ground, square point, 5/8 inch blade, black rubber handle . . . . . per dozen, **$36.00**



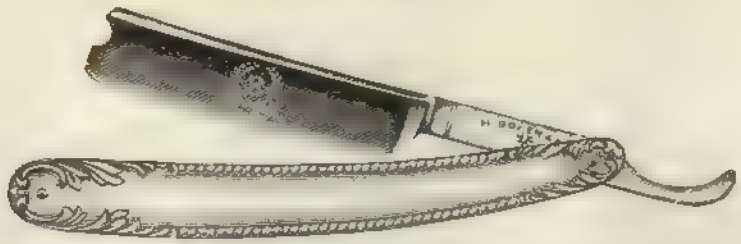
No. 391 Glazed square point, 5/8 inch blade, crocus polished tang and back, transparent amber celluloid handle . . . . per dozen, **$30.00**

No. 1296 Special hollow ground square point, 5/8 inch blade, black rubber flat handle . . . . . per dozen **$18.00**

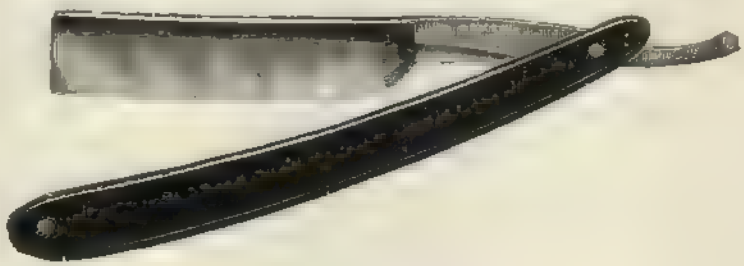
Half dozen in a box; weight per dozen about 2 pounds

RAZORS

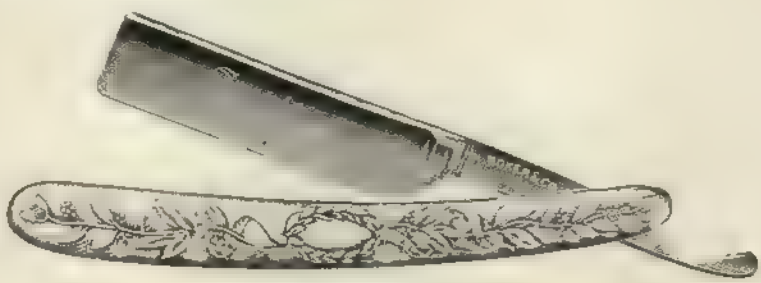
H. BOKER



No. 1336 Full Hamburg ground hollow point, ⅝ inch blade full crocus polished, solid ivory tang, etched in gold, polished celluloid handle.....per dozen, **$36.00**



No. 1381 Half hollow ground, square point, ⅝ inch blade, black rubber flat handle.....per dozen, **$12.00**



No. 1511 Full Hamburg ground, front side crocus polished, square point, ⅝ inch blade, fancy celluloid handle per dozen, **$30.00**

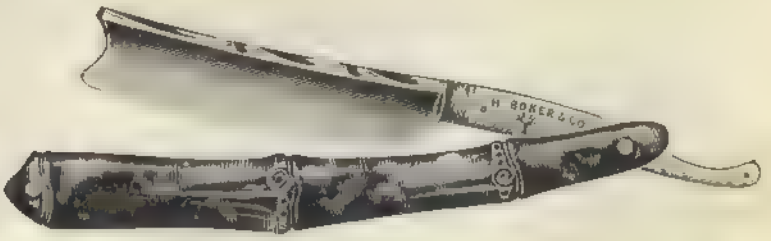
No. 2056 Extra hollow ground, front side crocus polished, round point, ⅝ inch blade, pearl scale tang etched in gold, black rubber handle .....per dozen, **$42.00**

No. 2081 Special hollow ground, square point, ⅝ inch blade, black rubber handle per dozen **$24.00**

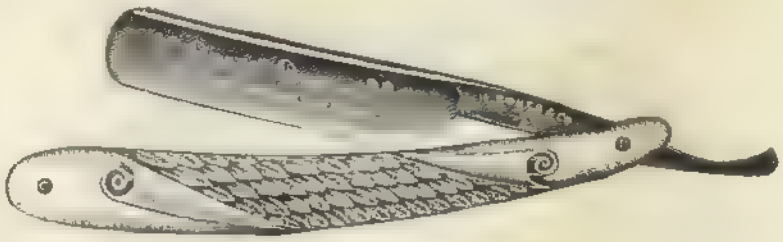
Half dozen in a box; weight per dozen about 2 pounds

RAZORS

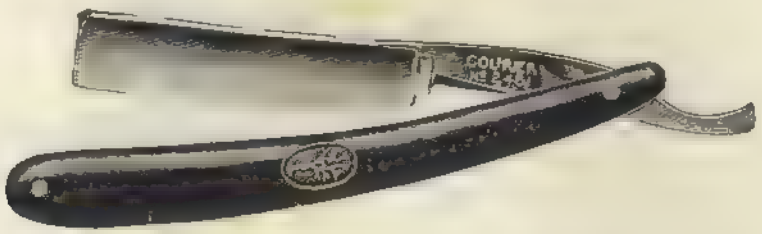
H. BOKER



No. 2121 Extra hollow ground, front side crocus polished, hollow point, ⅝ inch blade, pearl scale tang, bamboo shell celluloid handle ..... per dozen, **$42.00**

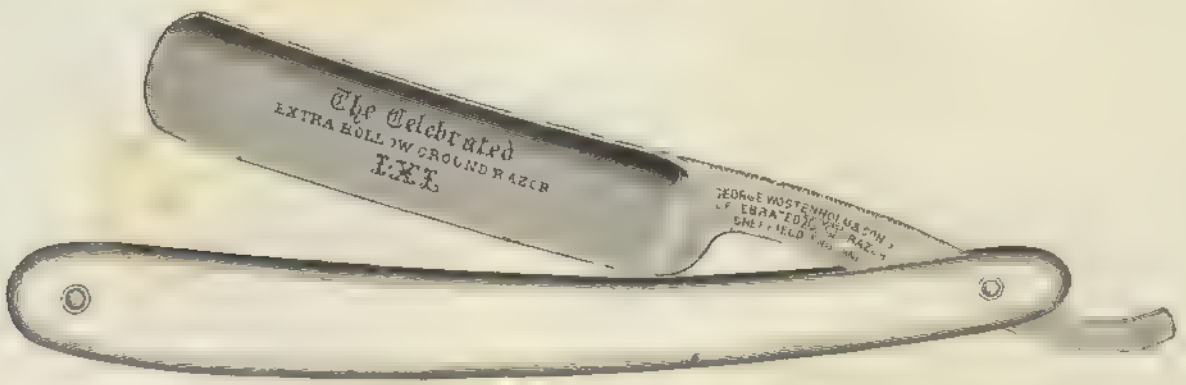


No. 2131 Half concave round point, ⅝ inch blade, white celluloid handle ..... per dozen **$20.00**



No. 2481 Hollow ground glazed square point, ⅝ inch blade, crocus polished tang, black rubber handle ..... per dozen, **$24.00**

GEO. WOSTENHOLM

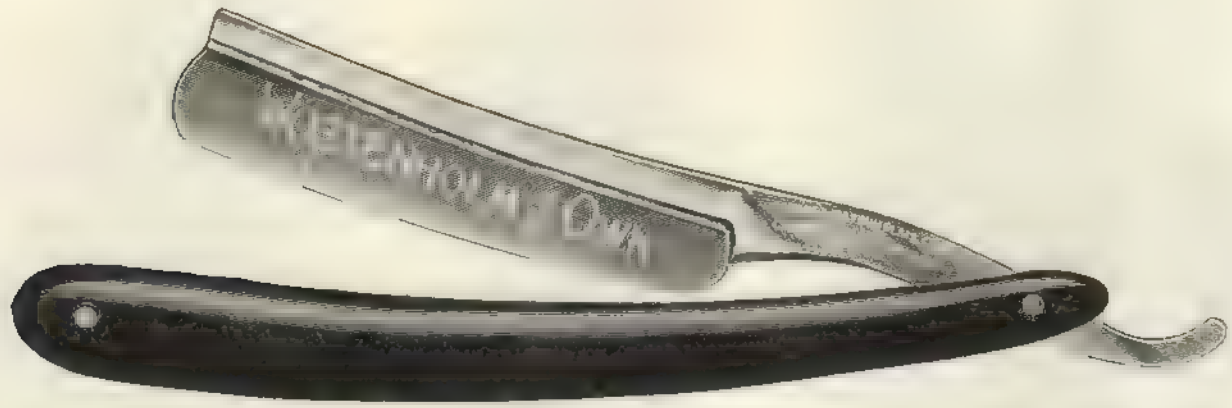


No. 0648 Full hollow ground stamp back, round point, ¾ inch blade, file tang, round ivoride handle ..... per dozen, **$48.00**

Half dozen in a box; weight per dozen about 2 pounds

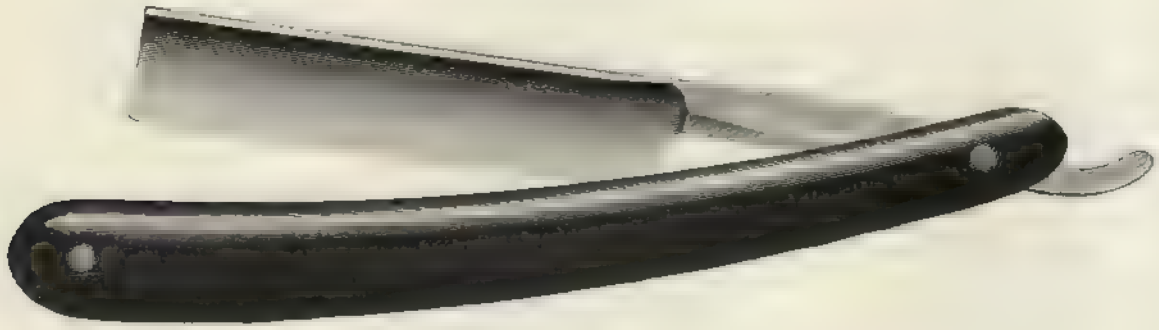
RAZORS

GEO. WOSTENHOLM



No. 0660 Thin blade, frame back, round point, 5/8 inch blade, black rubber handle . . . . . per dozen, **$18.00**

No. 0851 Full hollow ground, round point, 5/8 inch blade, black rubber handle..... ..per dozen, **$30.00**



No. 01411 Hollow ground, slightly hollow point, 5/8 inch blade, black rubber handle .. . . .per dozen, **$12.00**

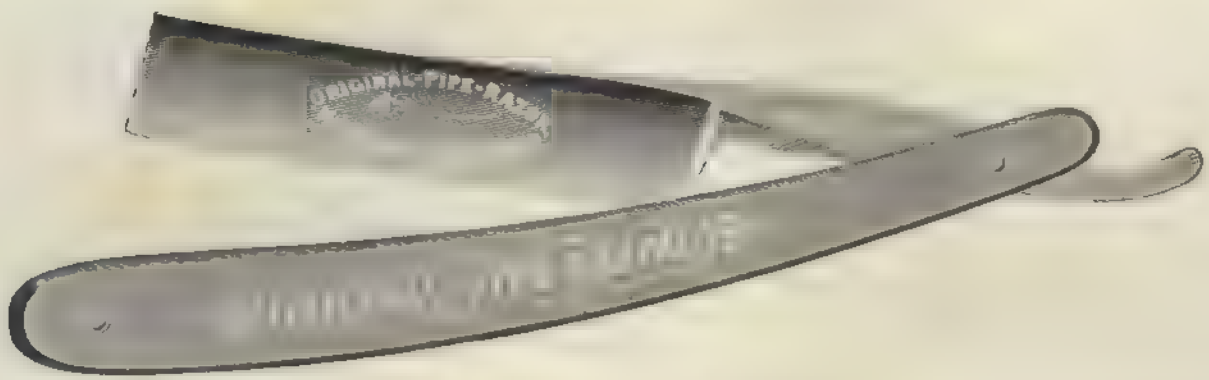
Half dozen in a box; weight per dozen about 2 pounds

RAZORS

GEO. WOSTENHOLM

No. 01909 Hollow ground, hollow point, 5⅛ inch blade, black rubber handle.....per dozen, **$12.00**

No. 01974 ...arcy etched, hollow ground, hollow point, 5¼ inch blade, black rubber handle ... per dozen, **$24.00**

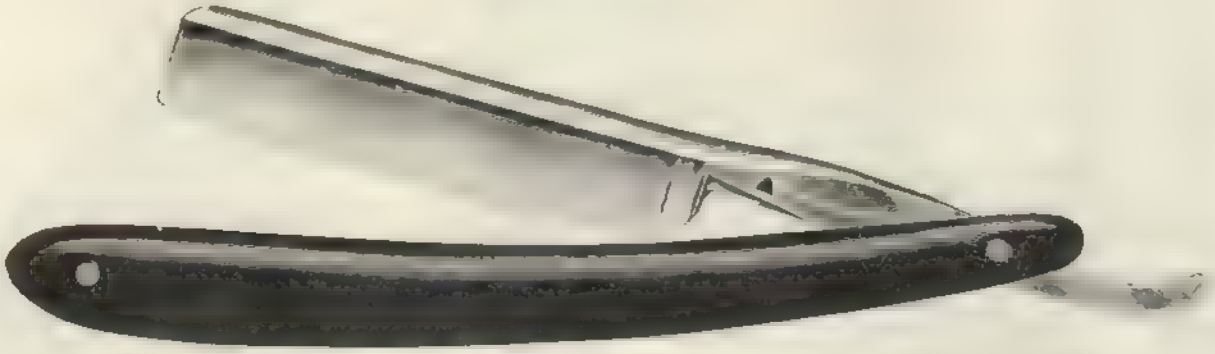


No. 03548 Medium hollow ground, square point, 5⅛ inch blade, black rubber Lot Handle ... per dozen **$15.00**

Half dozen in a box; weight per dozen about 2 pounds

RAZORS

GEO. WOSTENHOLM



No. 03745 Concave ground, square point, forged steel blade, black rubber handle ..... per dozen **$15.00**

No. 5771½ Concave etched, hollow point, ⅝ inch blade, black rubber handle..... .....per dozen, **$14.00**

Half dozen in a box; weight per dozen about 2 pounds

ASSORTMENT IN DISPLAY CASE
H. BOKER

Tree Brand

No. 1081 Tree Brand Razor assortment, weight about 1¾ pounds.....per case, **$12.00**

Comprising this assortment are razors with fancy handles and the best possible selection of blades. The front sides of all blades are ground as polished. The display cases are handsomely made in imitation alligator with hinged glass top

1847 ROGERS BROS.

"Silver Plate That Wears"

Vintage Pattern

French Gray Finish.

One of the most popular designs in the history of silver plated flatware. The employment of the grape clusters, leaves and tendrils is in eminently good taste, affording a pleasing deviation from the conventional.

The entire line made in this celebrated pattern quoted below:

The following are put up one dozen in carton boxes. Any quantity however may be had at the per dozen price quoted.

			Per doz
No. 4188	Tea Spoons,	XS triple plate	$8.64
No. 4189	"	XS quintuple "	9.36
No. 4190	Dessert "	XS triple "	12.24
No. 4191	"	XS quintuple "	15.84
No. 4192	Table "	XS triple "	13.68
No. 4193	"	XS quintuple "	18.72
No. 4194	Soup "	round bowls	13.68
No. 4197	Dessert Forks	XS triple plate	12.24
No. 4196	" "	XS quintuple "	15.84
No. 4197	Table "	XS triple "	13.68
No. 4198	" "	XS quintuple "	18.72

The following are put up one-half dozen in flannel rolls. Any quantity, however, may be had at the per dozen price quoted.

			Per doz.
No. 4199	Table Knives,	hollow handle	$23.05
No. 4200	" Forks,	" "	25.05
No. 4201	Dessert Knives	" "	21.60
No. 4202	" Forks	" "	21.60

The following are sold in single quantities. Not put up in boxes.

No. 4203	Sugar Shell	Each	$1.08
No. 4204	Butter Knives	"	1.26

SPOONS PUT UP IN FANCY LINED EMBOSSED BOXES.

Exact Size of Tea Spoon

No. 4205	Baby Spoon	Each	$ 0.90
No. 4206	Berry Spoon	"	2.88
No. 4207	Berry Spoon, Hollow Handle	"	4.32
No. 4208	Bouillon Spoons	Per set of six	6.48
No. 4209	Chocolate Muddler	Each	1.44
No. 4210	Chocolate Spoons	Per set of six	4.32
No. 4211	Coffee Spoons	" " "	3.37
No. 4212	Cracker Serving Spoon	Each	2.88
No. 4213	Egg Spoons	Per set of six	3.78
No. 4214	Five O'Clock Tea Spoons	" " "	3.78
No. 4215	Grape Fruit Spoons	" " "	4.32
No. 4216	Ice Serving Spoon	Each	2.88
No. 4217	Ice Cream Spoons	Per set of six	4.32
No. 4218	Iced Tea Spoons	" "	4.68
No. 4219	Olive Spoon	Each	1.08
No. 4220	Orange Spoons	Per set of six	4.32
No. 4221	Pea Serving Spoon	Each	2.88
No. 4222	Salad Serving Spoon	"	2.88
No. 4223	Salad Serving Spoon, Hollow Handle	"	4.32
No. 4224	Salad Serving Spoon, Hollow Handle, Olive Wood Bowl	"	2.40

FORKS PUT UP IN FANCY LINED EMBOSSED BOXES.

No. 4225	Beef Serving Fork	Each	$1.50
No. 4226	Cake Serving Fork	"	1.80
No. 4227	Cold Meat Serving Fork	"	1.80
No. 4228	Cold Meat Serving Fork, Hollow Handle	"	2.88
No. 4229	Fish Serving Fork	"	5.04
No. 4230	Fish Forks, Individual	Per set of six	7.92
No. 4231	Ice Cream Forks	" " "	5.40
No. 4232	Olive Fork	Each	1.44
No. 4233	Oyster Forks	Per set of six	4.55
No. 4234	Pastry or Pie Forks, individual	" "	6.84
No. 4235	Pickle Fork, short	Each	1.08
No. 4236	Pickle Fork, long	"	1.44
No. 4237	Salad Serving Fork	"	3.60
No. 4238	Salad Serving Fork, hollow handle	"	5.04
No. 4239	Salad Serving Fork, hollow handle, with olive wood prongs	"	2.40
No. 4240	Salad Forks, individual	Per set of six	6.84

KNIVES PUT UP IN FANCY LINED EMBOSSED BOXES.

No. 4241	Butter Spreaders	Per set of six	$6.12
No. 4242	Butter Spreaders, hollow handle	" " "	8.64
No. 4243	Cake Serving Knife, hollow handle	Each	4.32
No. 4244	Cheese Serving Knife, hollow handle	"	1.80
No. 4245	Crumb Knife, hollow handle	"	7.20
No. 4246	Fish Serving Knife	"	5.04
No. 4247	Fish Knives, individual	Per set of six	8.64
No. 4248	Ice Cream Serving Knife, hollow handle	Each	6.48
No. 4249	Jelly Serving Knife	"	2.16
No. 4250	Pie Serving Knife	"	3.60
No. 4251	Pie Serving Knife, hollow handle	"	5.04

LADLES PUT UP IN FANCY LINED EMBOSSED BOXES.

No. 4252	Cream Ladle	Each	$1.62
No. 4253	Gravy Ladle	"	2.16
No. 4254	Oyster Ladle	"	4.68
No. 4255	Medium Ladle	"	5.76
No. 4256	Medium Ladle, hollow handle	"	7.20
No. 4257	Punch Ladle, flat handle	"	9.36
No. 4258	Punch Ladle, hollow handle	"	12.96

MISCELLANEOUS PUT UP IN FANCY LINED EMBOSSED BOXES.

No. 4259	Bottle Opener, hollow handle	Each	$1.44
No. 4260	Lobster Picks, individual, hollow handle	"	2.16
No. 4261	Food Pusher, Baby	"	.90
No. 4262	Cheese Serving Scoop, hollow handle	"	2.88
No. 4263	Cheese Server, hollow handle	"	1.44
No. 4264	Cucumber or Tomato Server	"	2.88
No. 4265	Pie or Ice Cream Server, hollow handle	"	3.60
No. 4266	Serving Fork, hollow handle	"	1.92
No. 4267	Sugar Sifter	"	1.44
No. 4268	Asparagus Tong, hollow handle	"	12.96
No. 4269	Sugar Tong	"	2.16
No. 4270	Roast Holder	"	3.60
No. 4271	Poultry Shears	"	10.08
No. 4272	Bread Knife	"	2.88

The following Carving, Game, Bird or Steak Sets, put up in fancy lined embossed boxes.

No. 4273	**Carving Set,** three pieces, hollow handles	Per set	$14.40
No. 4274	**Game Set,** two pieces, hollow handles	"	10.08
No. 4275	**Bird or Steak Set,** three pieces, hollow handles	"	9.36
No. 4276	**Bird or Steak Set,** two pieces, hollow handles	"	6.48

The following Combination Sets are put up in fancy lined glazed paper boxes.

No. 4277	**Baby Spoon and Baby Food Pusher Set**	Per set	$1.80
No. 4278	**Berry Spoon and Cold Meat Fork Set**	"	7.40
No. 4279	**Berry Spoon and Gravy Ladle Set**	"	5.76
No. 4280	**Butter Knife and Sugar Shell Set**	"	2.64
No. 4281	**Butter Knife, Sugar Shell and Cream Ladle Set**	"	4.68
No. 4282	**Child's Set,** three pieces, consists of knife, fork and spoon	"	2.88
No. 4283	**Child's Set,** four pieces, consists of spoon, fork, hollow handle knife and napkin ring	"	4.68
No. 4284	**Chocolate Set,** consists of one chocolate muddler and six indiv. chocolate spoons	"	6.48
No. 4285	**Coffee Set,** consists of six coffee spoons and one sugar tong	"	6.12
No. 4286	**Coffee Set,** consists of six tea spoons, one butter knife and one sugar shell	"	6.48
No. 4287	**Cream Ladle and Sugar Shell Set**	"	3.24
No. 4288	**Cold Meat Fork and Gravy Ladle Set**	"	4.68
No. 4289	**Fish Serving Knife and Fish Serving Fork Set**	"	10.08
No. 4290	**Fish Set,** consists of six individual fish knives and six individual fish forks	"	16.56
No. 4291	**Ice Cream Set,** consists of one ice cream server and six indiv. ice cream spoons	"	5.04
No. 4292	**Ice Cream Set,** consists of one ice cream server and six individual ice cream forks	"	9.72
No. 4293	**Jelly Serving Knife and Cold Meat Fork Set**	"	4.32
No. 4294	**Oyster Set,** consists of one oyster ladle and six round bowl soup spoons	"	12.24
No. 4295	**Pastry or Pie Set,** consists of one pastry or pie serving knife and six individual pie forks	"	10.44
No. 4296	**Salad Serving Spoon and Salad Serving Fork Set**	"	6.48
No. 4297	**Salad Set,** consists of one salad serving spoon one salad serving fork and six individual salad forks	"	14.40
No. 4298	**Salad Set,** consists of one salad serving fork and six individual salad forks	"	11.16

1847 ROGERS BROS.

"SILVER PLATE THAT WEARS"

Charter Oak Pattern

French Gray with Bright Bowls, Titan and Shield

This pattern possesses an unusual degree of character. The oak leaf and acorn are combined in a graceful design that lends itself readily to the somewhat unusual finish. It is a very desirable pattern to handle.

Exact Size of Tea Spoon

The entire line made in this popular pattern is quoted below:

The following are put up one dozen in carton boxes. Any quantity, however, may be had at the per dozen price quoted.

					Per doz.
No. 4299	Tea	Spoons	XS triple	plate	$ 6.84
No. 4300	"	"	XS quintuple	"	9.36
No. 4301	Dessert	"	XS triple	"	12 24
No. 4302	"	"	XS quintuple	"	15 84
No. 4303	Table	"	XS triple	"	13 68
No 4304	"	"	XS quintuple	"	18 72
No. 4305	Soup	"	round bowls		13 68
No. 4306	Dessert	Forks	XS triple	plate	12 24
No. 4307	"	"	XS quintuple	"	15 84
No. 4308	Table	"	XS triple	"	13 68
No. 4309	"	"	XS quintuple	"	18.72

The following are put up one-half dozen in flannel rolls. Any quantity, however, may be had at the per dozen price quoted.

		Per doz
No. 4310	Table Knives, hollow handle	$23 05
No. 4311	Table Forks, " "	23 05
No. 4312	Dessert Knives, " "	21 60
No. 4313	Dessert Forks, "	21 60

The following are sold in single quantities. Not put up in boxes.

No. 4314	Sugar Shells	Each	$1.08
No. 4315	Butter Knives	"	1.26

SPOONS PUT UP IN FANCY LINED EMBOSSED BOXES.

No. 4316	Baby Spoon	Each	$0 90
No 4317	Berry Spoon	"	2 88
No 4318	Berry Spoon, hollow handle	"	4 32
No 4319	Bouillon Spoons	Per set of six	6 48
No 4320	Coffee Spoons	" " "	3 37
No 4321	Cracker Serving Spoon	Each	2 88
No 4322	Egg Spoons	Per set of six	3 78
No 4323	Five O'Clock Tea Spons	" " " "	3 78
No 4324	Grape Fruit Spoons	" " " "	4 32
No 4325	Ice Serving Spoon	Each	2 88
No 4326	Iced Tea Spoons	Per set of six	4 68
No 4327	Orange Spoons	" " " "	4 32
No 4328	Pea Serving Spoon	Each	2 88
No 4329	Salad Serving Spoon	"	2 88
No 4330	Salad Serving Spoon, hollow handle	"	4.32
No 4331	Salad Serving Spoon, hollow handle, olive wood bowl	"	2 40

FORKS PUT UP IN FANCY LINED EMBOSSED BOXES.

No 4332	Cold Meat Serving Fork	Each	$1 80
No 4333	Cold Meat Serving Fork, hollow handle	"	2 88
No 4334	Fish Serving Fork	"	5 04
No 4335	Fish Forks, individual	Per set of six	7 92
No 4336	Ice Cream Forks	" " "	5 40
No 4337	Olive Fork	Each	1 44
No 4338	Oyster Forks	Per set of six	4.65
No 4339	Pickle Fork, short	Each	1 08
No 4340	Pickle Fork, long	"	1 44
No 4341	Salad Serving Fork	"	3 60
No 4342	Salad Serving Fork, hollow handle	"	5 04
No 4343	Salad Serving Fork, hollow handle, with olive wood prongs	"	2 40
No. 4344	Salad Forks, individual	Per set of six	6 84

KNIVES PUT UP IN FANCY LINED EMBOSSED BOXES.

No. 4345	Butter Spreaders	Per set of six	$6 12
No. 4346	Butter Spreaders, hollow handle	" " "	8.64
No. 4347	Cake Serving Knife, hollow handle	Each	4.32
No. 4348	Cheese Serving Knife, hollow handle	"	1.80
No. 4349	Crumb Knife, hollow handle	"	7 20
No 4350	Fish Serving Knife	"	5.04
No. 4351	Fish Knives, individual	Per set of six	8.64
No. 4352	Ice Cream Serving Knife, hollow handle	Each	6 48
No. 4353	Pie Serving Knife, hollow handle	"	5 04

LADLES PUT UP IN FANCY LINED EMBOSSED BOXES.

No. 4354	Cream Ladle	Each	$1.62
No. 4355	Gravy Ladle	"	2.16
No. 4356	Oyster Ladle	"	4.68
No. 4357	Medium Ladle	"	5.76
No. 4358	Medium Ladle, hollow handle	"	7.20
No. 4359	Punch Ladle, hollow handle	"	12.96
No. 4360	Soup Ladle	"	6.12

MISCELLANEOUS

PUT UP IN FANCY LINED EMBOSSED BOXES.

No. 4361	Bottle Opener, hollow handle	Each	$1.44
No. 4362	Lobster Pick, individual, hollow h'dle	"	2.16
No. 4363	Food Pusher, Baby	"	.90
No. 4364	Cheese Serving Scoop, hol. handle	"	2.88
No. 4365	Cheese Server, hollow handle	"	1.44
No. 4366	Cucumber or Tomato Server	"	2.88
No. 4367	Pie or Ice Cream Server, hol. handle	"	3.60
No. 4368	Potato Chip or Egg Server	"	4.32
No 4369	Serving Fork, hollow handle	"	1.92
No 4370	Sugar Sifter	"	1 44
No 4371	Asparagus Tong, hollow handle	"	12 96
No 4372	Sugar Tong	"	2 16
No 4373	Roast Holder	"	3 6
No 4374	Poultry Shears	"	10 08
No 4375	Bread Knife	"	2 88

The following Carving, Game, Bird or Steak Sets, put up in fancy lined Embossed boxes.

No. 4376	Carving Set, three pieces, hollow handles	Per set	$14.40
No. 4377	Game Set, two pieces, hollow handles	"	10 08
No. 4378	Bird or Steak Set, three pcs., hol. handles	"	9 36
No. 4379	Bird or Steak Set, two pieces, hol. handles	"	6.48

The following Combination Sets are put up in fancy lined Embossed boxes.

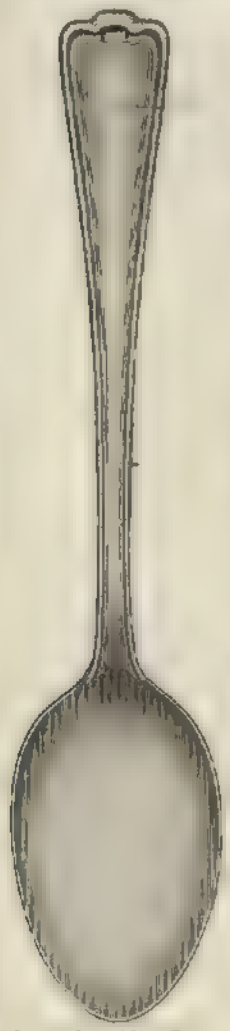
No 4380	Baby Spoon and Baby Food Pusher Set	Per set	$1 80
No. 4381	Berry Spoon and Cold Meat Fork Set	"	5 40
No. 4382	Berry Spoon and Gravy Ladle Set	"	5 76
No. 4383	Butter Knife and Sugar Shell Set	"	2 64
No. 4384	Butter Knife, Sugar Shell and Cream Ladle Set	"	6.68
No. 4385	Child's Set, three pieces, knife, fork and spoon	"	2.88
No. 4386	Child's Set, four pieces, consists of spoon, fork, hollow handle knife and napkin ring	"	4 68
No. 4387	Coffee Set, consists of six coffee spoons and one sugar tong	"	6 12
No. 4388	Coffee Set, consists of six tea spoons, one butter knife and one sugar shell	"	6 48
No. 4389	Cream Ladle and Sugar Shell Set	"	3.24
No 4390	Cold Meat Fork and Gravy Ladle Set	"	4 68
No. 4391	Fish Serving Knife and Fish Serving Fork Set	"	10.08
No. 4392	Fish Set, consists of six individual fish knives and six individual fish forks	"	16 56
No 4393	Ice Cream Set, consists of one ice cream server and six individual ice cream forks	"	9.72
No. 4394	Oyster Set, consists of one oyster ladle and six round bowl soup spoons	"	12 24
No. 4395	Salad Serving Spoon and Salad Serving Fork Set	"	6 48
No 4396	Salad Set, consists of one salad serving spoon, one salad serving fork and six individual salad forks	"	14.40
No. 4297	Salad Set, consists of one salad serving fork and six individual salad forks	"	11.16

1847 ROGERS BROS.

"Silver Plate That Wears"

CROMWELL PATTERN

Bright



Exact size of Tea Spoon

From the standpoint of mechanical construction this design is especially noteworthy, the grading of the metal having been given most careful attention so that the strength and weight of each piece are in the right place.

The entire line made in this exquisite pattern is quoted below:

The following are put up one dozen in carton boxes. Any quantity however may be had at the per dozen price quoted.

			Per doz.
No. 4398	Tea Spoons	XS triple plate	$6.84
No. 4399	" "	XS quintuple "	9.36
No. 4400	Dessert "	XS triple "	12.24
No. 4401	" "	XS quintuple "	15.84
No. 4402	Table "	XS triple "	13.68
No. 4403	" "	XS quintuple "	18.72
No. 4404	Soup "	round bowls	17.28
No. 4405	Dessert Forks,	XS triple plate	12.24
No. 4406	" "	XS quintuple "	15.84
No. 4407	Table "	XS triple "	13.68
No. 4408	" "	XS quintuple "	18.72

The following are put up one-half dozen in flannel rolls. Any quantity, however, may be had at the per dozen price quoted.

			Per doz.
No. 4409	Table Knives,	hollow handle	$23.05
No. 4410	" Forks,	" "	23.05
No. 4411	Dessert Knives	"	21.60
No. 4412	" Forks,	" "	21.60

The following are sold in single quantities. Not put up in boxes.

No. 4413	Sugar Shells	Each $1.08
No. 4414	Butter Knives	" 1.26

SPOONS PUT UP IN FANCY LINED EMBOSSED BOXES.

No. 4415	Berry Spoon	Each $2.88
No. 4416	Berry Spoon, hollow handle	" 4.32
No. 4417	Bouillon Spoons	Per set of six 6.48
No. 4418	Coffee Spoons	" " " 3.37
No. 4419	Grape Fruit Spoons	" " " " 4.32
No. 4420	Iced Tea Spoons	" " " " 4.68
No. 4421	Nut Serving Spoons	Each 2.88
No. 4422	Orange Spoons	Per set of six 4.32
No. 4423	Salad Serving Spoon, hollow handle	Each 4.32
No. 4424	Salad Serving Spoon, hollow handle, with Olive Wood bowl	" 2.40
No. 4425	Salt Spoon, individual	" .45

FORKS PUT UP IN FANCY LINED EMBOSSED BOXES.

No. 4426	Cold Meat Serving Fork	Each $ 1.80
No. 4427	Cold Meat Serving Fork, hollow handle	" 2.88
No. 4428	Fish Serving Fork, hollow handle	" 6.48
No. 4429	Fish Forks, individual, hollow handle	Per set of six 12.96
No. 4430	Ice Cream Forks	" " " 5.40
No. 4431	Olive Fork	Each 1.44
No. 4432	Oyster Forks	Per set of six 4.55
No. 4433	Pickle Fork, long	Each 1.44
No. 4434	Salad Serving Fork hollow handle	" 5.04
No. 4435	Salad Serving Fork, hollow handle, olive wood prongs	" 2.40
No. 4436	Salad Forks, individual	Per set of six 6.84
No. 4437	Salad Forks, individual, hollow handle	" " " 11.88

KNIVES PUT UP IN FANCY LINED EMBOSSED BOXES.

No. 4438	Butter Spreaders	Per set of six $ 6.12
No. 4439	Butter Spreaders, hollow handle	" " " " 8.64
No. 4440	Cake Serving Knife, hollow handle	Each 4.32
No. 4441	Cheese Serving Knife, hollow handle	" 1.80
No. 4442	Crumb Knife, hollow handle	" 7.20
No. 4443	Fish Serving Knife, hollow handle	" 6.48
No. 4444	Fish Knives, individual, hollow handle	Per set of six 12.96
No. 4445	Ice Cream Serving Knife, hollow handle	Each 6.48
No. 4446	Pie Serving Knife, hollow handle	" 5.04

LADLES PUT UP IN FANCY LINED EMBOSSED BOXES.

No. 4447	Cream Ladle	Each $ 1.62
No. 4448	Gravy Ladle	" 2.16
No. 4449	Individual Ladle	" 3.24
No. 4450	Oyster Ladle	" 4.68
No. 4451	Medium Ladle	" 5.76
No. 4452	Medium Ladle, hollow handle	" 7.20
No. 4453	Punch Ladle, hollow handle	" 12.96

MISCELLANEOUS PUT UP IN FANCY LINED EMBOSSED BOXES.

No. 4454	Bottle Opener, hollow handle	Each $ 1.44
No. 4455	Lobster Pick, hollow handle	" 2.16
No. 4456	Cheese Serving Scoop, hollow handle	" 2.88
No. 4457	Asparagus Server, hollow handle	" 8.64
No. 4458	Cheese Server, hollow handle	" 1.44
No. 4459	Pie or Ice Cream Server, hollow handle	" 3.60
No. 4460	Serving Fork, hollow handle	" 1.92
No. 4461	Asparagus Serving Tong, hollow handle	" 12.96
No. 4462	Ice Tong	" 5.04
No. 4463	Sugar Tong	" 2.16
No. 4464	Roast Holder	" 3.60
No. 4465	Bread Knife	" 2.88
No. 4466	Poultry Shears	" 10.08

The following Carving, Game, Bird or Steak Sets, put up in fancy lined embossed boxes.

No. 4467	Carving Set, three pieces, hollow handles	Per set $14.40
No. 4468	Game Set, two " " " "	" 10.08
No. 4469	Bird or Steak Set, three pieces, hollow handles	" 9.36
No. 4470	Bird or Steak Set, two pieces hollow handles	" 6.48

The following Combination Sets are put up in fancy lined embossed boxes.

No. 4471	Berry Spoon and Cold Meat Fork Set	Per set $5.40
No. 4472	Berry Spoon and Gravy Ladle Set	" 5.76
No. 4473	Butter Knife and Sugar Shell Set	" 2.64
No. 4474	Butter Knife, Sugar Shell and Cream Ladle Set	" 4.68
No. 4475	Child's Set, three pieces, knife, fork and spoon	" 2.88
No. 4476	Child's Set, four pieces, consists of spoon, fork, roll or knife and napkin ring	" 4.68
No. 4477	Coffee Set, consists of six coffee spoons and one sugar tong	" 6.12
No. 4478	Coffee Set, consists of six tea spoons, one butter knife and one sugar shell	" 6.48
No. 4479	Cream Ladle and Sugar Shell Set	" 3.24
No. 4480	Cold Meat Fork and Gravy Ladle Set	" 4.68
No. 4481	Ice Cream Set, consists of one ice cream server and six individual ice cream forks	" 9.72
No. 4482	Oyster Set, consists of one oyster ladle and six round bowl soup spoons	" 12.24

1847 ROGERS BROS.

"Silver Plate That Wears"

FANEUIL PATTERN

Bright

Successfully combines the desirable qualities of both plain and more ornate patterns, and for that reason appeals to many who prefer some ornamentation but do not care for many of the more elaborate designs.

The entire line made in this characteristic pattern is quoted below:

The following are put up one dozen in carton boxes. Any quantity, however, may be had at the per dozen price quoted.

			Per doz
No. 4483	Tea Spoons	XS triple plate	$ 6.84
No. 4484	" "	XS quintuple "	9.36
No. 4485	Dessert "	XS triple "	12.24
No. 4486	" "	XS quintuple "	15 84
No 4487	Table "	Xs triple	13 68
No. 4488	" "	XS quintuple "	18.72
No 4489	Soup "	round bowls	13 68
No. 4490	Dessert Forks	XS triple plate	12.24
No 4491	" "	XS quintuple "	15 84
No. 4492	Table Forks	XS triple "	13 68
No. 4493	" "	XS quintuple "	18 72

The following are put up one-half dozen in flannel rolls. Any quantity, however, may be had at the per dozen price quoted.

			Per ½ doz
No. 4494	Table Knives, hollow handle		$23.05
No 4495	Table Forks, "	"	23.05
No 4496	Dessert Knives, "	"	21.60
No 4497	Dessert Forks, "	"	21.60

The following are sold in single quantities. Not put up in boxes.

No 4498	Sugar Shells	Each	$1.08
No. 4499	Butter Knives	"	1.26

SPOONS PUT UP IN FANCY LINED EMBOSSED BOXES.

No 4500	Berry Spoon	Each	$2 88
No 4501	Berry Spoon hollow handle	"	4 32
No 4502	Bouillon Spoons	Per set of six	6 48
No. 4503	Coffee Spoons	" " " "	3.37
No 4504	Cracker Serving Spoon	Each	2.88
No 4505	Egg Spoons	Per set of six	3.78
No 4506	Five O'Clock Tea Spoons	" " " "	3.78
No 4507	Grape Fruit Spoons	" " " "	4.32
No 4508	Ice Serving Spoon	Each	2 88
No 4509	Ice Cream Spoons	Per set of six	4.32
No 4510	Iced Tea Spoons	" " " "	4 68
No 4511	Nut Serving Spoon	Each	2 88
No 4512	Orange Spoons	Per set of six	4.32
No 4513	Pea Serving Spoon	Each	2 88
No 4514	Salad Serving Spoon hollow handle	"	4 32
No 4515	Salad Serving Spoon, hollow handle, olive wood bowl	"	2.40
No 4516	Salt Spoon, individual	"	.50

FORKS PUT UP IN FANCY LINED EMBOSSED BOXES.

No 4517	Beef Serving Fork	Each	$1 50
No 4518	Berry Forks	Per set of six	4 32
No. 4519	Cold Meat Serving Fork	Each	1.80
No 4520	Cold Meat Serving Fork, hollow handle	"	2 88
No 4521	Fish Serving Fork, hollow handle	"	6 48
No. 4522	Fish Forks, individual	Per set of six	7.92
No 4523	Fish Forks, indiv., hollow handle	" "	12 96
No 4524	Fruit Forks	" " " "	4 32
No 4525	Ice Cream Forks	" " " "	5.40
No 4526	Olive Fork	Each	1 44
No 4527	Oyster Forks	Per set of six	4 55
No 4528	Pastry or Pie Forks, individual	" " " "	6.84
No 4529	Pickle Fork, long	Each	1.44
No 4530	Salad Serving Fork, hollow handle	"	5.04
No 4531	Salad Serving Fork, hollow handle, olive wood prongs	"	2 40
No 4532	Salad Forks, individual	Per set of six	6.84
No 4533	Salad Forks, individual, hol handle	" " " "	11.88

KNIVES PUT UP IN FANCY LINED EMBOSSED BOXES.

No. 4534	Butter Spreaders	Per set of six	$6 12
No 4535	Butter Spreaders, hollow handle	" " " "	8 64
No 4536	Cake Serving Knife, hollow handle	Each	4.32
No. 4537	Cheese Serving Knife, hollow handle	"	1.80
No. 4538	Crumb Knife, hollow handle	"	7.20
No 4539	Fish Serving Knife, hollow handle	"	6.48
No 4540	Fish Knives, indiv., hollow handle	Per set of six	12 96
No. 4541	Ice Cream Serving Knife, hollow handle	Each	6 48
No. 4542	Pie Serving Knife, hollow handle	"	5.04

LADLES PUT UP IN FANCY LINED EMBOSSED BOXES.

No. 4543	Cream Ladle	Each	$1.62
No 4544	Gravy Ladle	"	2 16
No. 4545	Individual Ladle	"	3.24
No. 4546	Oyster Ladle	"	4.68
No. 4547	Medium Ladle	"	5.76
No 4548	Medium Ladle, hollow handle	"	7.20
No. 4549	Punch Ladle, hollow handle	"	12.96

MISCELLANEOUS

PUT UP IN FANCY LINED EMBOSSED BOXES.

No. 4550	Bottle Opener, hollow handle	Each	$1 44
No. 4551	Butter Pick	"	1 20
No. 4552	Lobster Pick, hollow handle	"	2 16
No. 4553	Cheese Serv'g Scoop	"	1 80
No. 4554	Cheese Serv'g Scoop, hollow handle	"	2.88
No. 4555	Cheese Server, hollow handle	"	1.44
No 4556	Pie or Ice Cream Server, hol. handle.	"	3.60
No. 4557	Serving Fork, hollow handle	"	1 92
No. 4558	Sugar Sifter	"	1.44
No. 4559	Asparagus Tong, hollow handle	"	12.96
No. 4560	Sugar Tong	"	2.16
No 4561	Roast Holder	"	3.60
No. 4562	Bread Knife	"	2.88
No 4563	Poultry Shears	"	10.08

Exact Size of Tea Spoon.

The following Carving, Game, Bird or Steak Sets, put up fancy lined embossed boxes.

No. 4564	Carving Set, three pieces, hollow handles	Per set	$14.40
No 4565	Game Set, two pieces, hollow handles	"	10 08
No. 4566	Bird or Steak Set, three pcs., hol. handles	"	9.36
No 4567	Bird or Steak Set, two pieces, hol. handles	"	6 48

The following Combination Sets are put up in fancy lined glazed paper boxes.

No. 4568	Berry Set, consisting of one berry spoon and six individual berry forks	Per set	$7 92
No 4569	Berry Spoon and Cold Meat Fork Set	"	5 40
No. 4570	Berry Spoon and Gravy Ladle Set	"	5.76
No. 4571	Butter Knife and Sugar Shell Set	"	2.64
No. 4572	Butter Knife, Sugar Shell and Cream Ladle Set	"	4.68
No. 4573	Child's Set, three pieces, knife, fork and spoon	"	2.88
No. 4574	Child's Set, four pieces, consists of spoon, fork, hol. handle knife and napkin ring	"	4.88
No. 4575	Coffee Set, consists of six coffee spoons and one sugar tong	"	6.12
No. 4576	Coffee Set, consists of six tea spoons, one butter knife and one sugar shell	"	6.48
No 4577	Cream Ladle and Sugar Shell Set	"	3 24
No. 4578	Cold Meat Fork and Gravy Ladle Set	"	4 68
No 4579	Ice Cream Set, consists of one ice cream server and six individual ice cream spoons	"	8.64
No. 4580	Ice Cream Set, consists of one ice cream server and six individual ice cream forks	"	9.72
No. 4581	Oyster Set, consists of one oyster ladle and six round bowl soup spoons	"	12.24
No 4582	Pastry or Pie Set, consists of one pastry or pie serving knife and six individual pie forks	"	10.44

1847 ROGERS BROS.

"Silver Plate That Wears"

OLD COLONY PATTERN

French Grey with Bowls, Tines and Bevel Edges of the Handles Bright

Exact Size of Tea Spoon

The "Old Colony" is the highest achievement attained in silver plate. Note the pierced handle and the sterling effect of design, rich in character rather than ornamentation, and possessing both simplicity and individuality.

The entire line made in this historical pattern quoted below:

The following are put up one dozen in carton boxes. Any quantity however may be had at the per dozen price quoted.

		Per doz.
No. 4583	Tea Spoons, XS triple plate	$6.84
No. 4584	" " XS quintuple "	9.36
No. 4585	Dessert " XS triple "	12.24
No. 4586	" " XS quintuple "	15.84
No. 4587	Table " XS triple "	13.68
No. 4588	" " XS quintuple "	18.72
No. 4589	Soup " round bowls	13.08
No. 4590	Des'rt Forks, XS triple plate	12.24
No. 4591	" " XS quintuple "	15.84
No. 4592	Table " XS triple "	13.68
No. 4593	" " XS quintuple "	18.72

The following are put up one-half dozen in flannel rolls. Any quantity, however, may be had at the per dozen price quoted.

No. 4594	Table Knives, hollow handle		$23.05
No. 4595	" Forks, " "		23.05
No. 4596	Dessert Knives, " "		21.60
No. 4597	" Forks " "		21.60

The following are sold in single quantities. Not put up in boxes.

No. 4598	Sugar Shells	Each $1.08
No. 4599	Butter Knives	" 1.26

SPOONS PUT UP IN FANCY LINED EMBOSSED BOXES.

No. 4600	Baby Spoon	Each	$0 90
No. 4601	Baby Spoon, short handle	"	90
No. 4602	Berry Spoon	"	2 88
No. 4603	Bouillon Spoons	Per set of six	6 48
No. 4604	Coffee Spoons	" " "	3 37
No. 4605	Egg Spoons	" " "	3 78
No. 4606	Five O'Clock Tea Spoons	" " "	3.78
No. 4607	Grape Fruit Spoons	" " "	4 32
No. 4608	Ice Serving Spoons	Each	2.88
No. 4609	Ice Cream Spoons	Per set of six	4 32
No. 4610	Iced Tea Spoons	" " "	4.68
No. 4611	Jelly Serving Spoon	Each	2.16
No. 4612	Olive Spoon	"	1.08
No. 4613	Orange Spoons	Per set of six	4.32
No. 4614	Preserve Serving Spoon	Each	2.16
No. 4615	Salad Serving Spoon	"	1.88
No. 4616	Salad Serving Spoon, hollow handle	"	1.32
No. 4617	Salad Serving Spoon, hollow handle, olive wood bowl	"	2 40

FORKS PUT UP IN FANCY LINED EMBOSSED BOXES.

No. 4618	Baby Fork, short handle	Each	$0 90
No. 4619	Beef Serving Fork	"	1 50
No. 4620	Cake Serving Fork	"	1.80
No. 4621	Cold Meat Serving Fork	"	1.80
No. 4622	Fish Serving Fork	"	5.04
No. 4623	Fish Forks, Individual	Per Set of Six	7.92
No. 4624	Fruit Forks	" " "	4.32
No. 4625	Ice Cream Forks	" " "	5.40
No. 4626	Lettuce Salad Serving Fork, Hollow Handle.	Each	2.88
No. 4627	Olive Fork	"	1.44
No. 4628	Oyster Forks	Per Set of Six	4 55
No. 4629	Pastry or Pie Forks, Individual	" " "	6 84
No. 4630	Pickle Fork, Short	Each	1 08
No. 4631	Pickle Fork, Long	"	1 44
No. 4632	Salad Serving Fork	"	3 60

FORKS—Continued

No. 4633	Salad Serving Fork, Hollow Handle	Each	$5 04
No. 4634	Salad Serving Fork, Hollow Handle, Olive Wood Prongs	Each	2.40
No. 4635	Salad Forks, Individual	Per Set of Six	6 84
No. 4636	Sandwich Serving Fork	Each	1 80

KNIVES PUT UP IN FANCY LINED EMBOSSED BOXES.

No. 4637	Butter Spreaders	Per Set of Six	$6 12
No. 4638	Butter Spreaders, Hollow Handle.	" " "	8.64
No. 4639	Cheese Serving Knife, Hollow Handle	Each	1.80
No. 4640	Crumb Knife, Hollow Handle	"	7.20
No. 4641	Fish Serving Knife	"	5 04
No. 4642	Fish Knives, Individual	Per Set of Six	8 64
No. 4643	Ice Cream Serving Knife, Hollow Handle	Each	6.48
No. 4644	Jelly Serving Knife	"	1 44
No. 4645	Pie Serving Knife	"	3 60

LADLES PUT UP IN FANCY LINED EMBOSSED BOXES.

No. 4646	Mayonnaise Ladle	Each	$1.44
No. 4647	Cream Ladle	"	1.52
No. 4648	Gravy Ladle	"	2 16
No. 4649	Oyster Ladle	"	4.68
No. 4650	Medium Ladle	"	5.76
No. 4651	Punch Ladle, hollow handle	"	12 96

MISCELLANEOUS PUT UP IN FANCY LINED EMBOSSED BOXES.

No. 4652	Butter Pick	Each	$1 20
No. 4653	Lobster Pick, hollow handle	"	2.16
No. 4654	Food Pusher, Baby	"	90
No. 4655	Cheese Serving Scoop	"	1 80
No. 4656	Asparagus Server, hollow handle	"	8 64
No. 4657	Cucumber or Tomato Server	"	2 88
No. 4658	Pie or Ice Cream Server, hollow handle	"	3 60
No. 4659	Serving Fork, hollow handle	"	1 92
No. 4660	Jelly Serving Shell	"	2 16
No. 4661	Asparagus Tong, hollow handle	"	12 96
No. 4662	Sugar Tong	"	2 16
No. 4663	Roast Holders	"	3 60
No. 4664	Bread Knife	"	2 88
No. 4665	Poultry Shears	"	10 08

The following Carving, Game, Bird or Steak Sets, put up in fancy lined embossed boxes.

No. 4666	Carving Set, three pieces, hol. handles	Per set	$14 40
No. 4667	Game Set, two pieces, hollow handles	"	10.08
No. 4668	Bird or Steak Set, three pieces, hollow handles	"	9.36
No. 4669	Bird or Steak Set, two pieces, hol handles	"	6.48

The following Combination Sets are put up in fancy lined embossed boxes.

No. 4670	**Baby Set,** three pieces consists of baby spoon, baby fork and baby food pusher	Per set	$2.71
No. 4671	**Baby Spoon and Baby Food Pusher Set**	"	1 80
No. 4672	**Baby Spoon and Baby Fork Set,** short handle	"	1 80
No. 4673	**Berry Set,** consisting of one berry spoon and six individual berry forks	"	7 92
No. 4674	**Berry Spoon and Cold Meat Fork Set**	"	5 40
No. 4675	**Berry Spoon and Gravy Ladle Set**	"	5 76
No. 4676	**Butter Knife and Sugar Shell Set**	"	2 64
No. 4677	**Butter Knife, Sugar Shell and Cream Ladle Set**	"	4 68
No. 4678	**Child's Set,** three pieces knife, fork and spoon	"	2 88
No. 4679	**Child's Set,** four pieces consists of spoon fork, hollow handle knife and napkin ring	"	4.68
No. 4680	**Coffee Set,** consists of six coffee spoons and one sugar tong	"	6.12
No. 4681	**Coffee Set,** consists of six tea spoons, one butter knife and one sugar shell	"	5 48
No. 4682	**Cream Ladle and Sugar Shell Set**	"	3 24
No. 4683	**Cold Meat Fork and Gravy Ladle Set**	"	4 68
No. 4684	**Fish Serving Knife and Fish Serving Fork Set**	"	10 08
No. 4685	**Fish Set,** consists of six individual fish knives and six individual fish forks	"	16.56
No. 4686	**Ice Cream Set** consists of one ice cream server and six individual ice cream spoons	"	9.64
No. 4687	**Ice Cream Set,** consists of one ice cream server and six individual ice cream forks	"	9.72
No. 4688	**Jelly Serving Knife and Cold Meat Fork Set**	"	4 82
No. 4689	**Oyster Set,** consists of one oyster ladle and six round bowl soup spoons	"	12.24
No. 4690	**Pastry or Pie Set,** consists of one pastry or pie serving knife and six individual pie forks	"	10 44
No. 4691	**Salad Serving Spoon and Salad Serving Fork Set**	"	6 48
No. 4692	**Salad Set,** consists of one salad serving spoon, one salad serving fork and six individual salad forks	"	14 40
No. 4693	**Salad Set,** consists of one salad serving fork and six individual salad forks	"	21 16

1847 ROGERS BROS.

"Silver Plate That Wears"

SHARON PATTERN

French Grey with Bright Bowls, Tines and Shield

Designs in 1847 Rogers Bros. brand are the equal of the best sterling silver, in pattern, finish and general excellence of making—the result of sixty-five years' experience, combined with the determination to produce the best at whatever cost. The "silvery" effect so pleasing to the eye and so often lacking is exemplified in these designs in all its beauty.

Exact Size of Tea Spoon

The entire line made in this attractive pattern is quoted below:

The following are put up one dozen in carton boxes. Any quantity, however, may be had at the per dozen price quoted.

				Per doz
No. 4694	Tea Spoons	XS triple	plate	$ 6.84
No. 4695	" "	XS quintuple	"	9.36
No. 4696	Dessert "	XS triple	"	12.24
No. 4697	" "	XS quintuple	"	15.84
No. 4698	Table "	XS triple	"	13 68
No. 4699	" "	XS quintuple	"	18.72
No. 4700	Soup "	round bowls		13.68
No. 4701	Dessert Forks	XS triple	plate	12.24
No. 4702	" "	XS quintuple	"	15 84
No. 4703	Table "	XS triple	"	13.68
No. 4704	" "	XS quintuple	"	18 72

The following are put up one-half dozen in flannel rolls. Any quantity, however, may be had at the per dozen price quoted.

		Per doz
No. 4705	Table Knives, hollow handle	$23.0[illegible]
No. 4706	Table Forks, " "	23.05
No. 4707	Dessert Knives, " "	21 60
No. 4708	Dessert Forks, " "	21 60

The following are sold in single quantities. Not put up in boxes.

No. 4709	Sugar Shells	Each	$1 08
No. 4710	Butter Knives	"	1.26

SPOONS PUT UP IN FANCY LINED EMBOSSED BOXES.

No 4711	Baby Spoon	Each	$0 90
No 4712	Berry Spoon	"	2 88
No 4713	Bon Bon Spoon	"	1 80
No 4714	Bouillon Spoons	Per set of six	6 48
No 4715	Chocolate Muddler	Each	1 44
No. 4716	Chocolate Spoons	Per set of six	4 32
No 4717	Coffee Spoons	" " "	3 [illegible]
No 4718	Egg Spoons	" " "	3 [illegible]
No 4719	Five O'Clock Tea Spoons	" " "	3 [illegible]
No 4720	Honey Serving Spoon	Each	1 44
No 4721	Horseradish Spoon	"	92
No 4722	Ice Cream Spoons	Per set of six	4 [illegible]
No. 4723	Iced Tea Spoons	" " "	4 [illegible]
No. 4724	Lettuce Salad Serving Spoon	Each	2 16
No 4725	Mustard Spoon	"	55
No 4726	Olive Spoon	"	1 08
No 4727	Orange Spoons	Per set of six	4 32
No 4728	Platter Serving Spoon	Each	5 04
No 4729	Salad Serving Spoon	"	2 88

FORKS PUT UP IN FANCY LINED EMBOSSED BOXES.

No 4730	Beef Serving Fork	Each	1 50
No 4731	Berry Forks	Per set of six	4 32
No 4732	Cake Serving Fork	Each	1 80
No 4733	Cold Meat Serving Fork	"	1 80
No 4734	Fish Serving Fork	"	5 04
No 4735	Fish Forks, individual	Per set of six	7 92
No 4736	Lettuce Salad Serving Fork	Each	2 16
No 4737	Olive Fork	"	1 44
No 4738	Oyster Forks	Per set of six	4 35
No 4739	Pastry or Pie Forks, individual	" " "	6 84
No. 4740	Pickle Fork, Short	Each	1 08
No. 4741	Pickle Fork, Long	"	1 44
No. 4742	Salad Serving Fork	"	3 60
No. 4743	Salad Forks, individual	Per set of six	6 84

KNIVES PUT UP IN FANCY LINED EMBOSSED BOXES.

No. 4744	Butter Spreaders	Per set of six	$6.12
No. 4745	Butter Spreaders, hollow handle	" " " "	8.64
No. 4746	Cake Serving Knife	Each	2.88
No. 4747	Cheese Serving Knife, hollow handle	"	1.80
No. 4748	Crumb Knife	"	5.76
No 4749	Fish Serving Knife	"	5.04
No. 4750	Fish Knives, individual	Per set of six	8.64
No. 4751	Ice Cream Serving Knife, hollow handle	Each	6.48
No. 4752	Jelly Serving Knife	"	1.44
No. 4753	Pie Serving Knife	"	3.60

LADLES PUT UP IN FANCY LINED EMBOSSED BOXES.

No. 4754	Bouillon Ladle	Each	$2.16
No. 4755	Mayonnaise Ladle	"	1.44
No. 4756	Cream Ladle	"	1.62
No. 4757	Gravy Ladle	"	2.16
No. 4758	Oyster Ladle	"	4.68
No. 4759	Medium Ladle	"	5.76
No. 4760	Punch Ladle, hollow handle	"	12.96

MISCELLANEOUS

PUT UP IN FANCY LINED EMBOSSED BOXES.

No. 4761	Butter Pick	Each	$1.20
No. 4762	Lobster Pick, hollow handle	"	2 16
No. 4763	Food Pusher, Baby	"	.90
No. 4764	Cheese Serving Scoop	"	1 80
No. 4765	Cheese Scoop, individual	"	57
No. 4766	Asparagus Server, hollow handle	"	8 64
No. 4767	Cheese Server, hollow handle	"	1.44
No 4768	Cucumber or Tomato Server	"	2 88
No 4769	Entree Server	"	5 04
No 4770	Sardine Server	"	2 44
No 4771	Serving Fork, hollow handle	"	1 92
No 4772	Jelly Shell	"	2 16
No 4773	Sandwich Tong	"	3 96
No 4774	Sugar Tong	"	2 16
No 4775	Roast Holder	"	3 60
No 4776	Bread Knife	"	2 88
No 4777	Poultry Shears	"	10 08

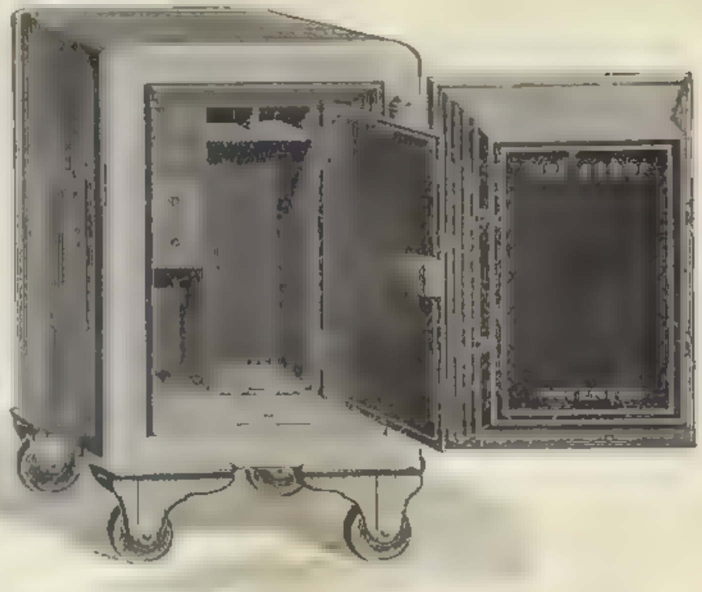
The following Carving, Game, Bird or Steak Sets, put up in fancy lined embossed boxes.

No. 4778	Carving Set, three pieces, hollow handles	Per set	$14 40
No. 4779	Game Set, two " " "	"	10 08
No 4780	Bird or Steak Set, three pieces, hollow handles	"	9 36
No. 4781	Bird or Steak Set, two " " "	"	6 48

The following Combination Sets are put up in fancy lined embossed boxes.

No. 4782	Baby Spoon and Baby Food Pusher Set	Per set	$1 80
No. 4783	Berry Set, consisting of one berry spoon and six individual berry forks	"	7 [illegible]
No. [illegible]	Berry Spoon and Cold Meat Fork Set	"	5 [illegible]
No. [illegible]	Berry Spoon and Gravy Ladle Set	"	5 [illegible]
No. [illegible]	Butter Knife and Sugar Shell Set	"	2 [illegible]
No. 4787	Butter Knife, Sugar Shell and Cream Ladle Set	"	4 [illegible]
No. 4788	Child's Set, [illegible] knife, fork and spoon	"	2 [illegible]
No. 4789	Child's Set, [illegible] pieces, consists of spoon, fork, [illegible] knife and napkin ring	"	1 [illegible]
No. 4790	Chocolate Set, consists of one chocolate mill [illegible] and six individual chocolate spoons	"	4 [illegible]
No. 4791	Coffee Set, consists of six coffee spoons and one sugar tong	"	3 12
No. 4792	Coffee Set, consists of six [illegible] spoons one bar [illegible] knife and one sugar [illegible]	"	6 48
No. [illegible]	Cold Meat Fork and Gravy Ladle Set	"	4 [illegible]
No. [illegible]	Fish Serving Knife and Fish Serving Fork Set	"	10 [illegible]
No. 4795	Fish Set, [illegible] six [illegible] fish knives [illegible] and [illegible] fork	"	16 [illegible]
No. 4796	Ice Cream Set, [illegible] and server [illegible] spoons	"	8 64
No. 4797	Ice Cream Set, consists of [illegible] and server and six individual [illegible]	"	9 [illegible]
No. [illegible]	Jelly Serving Knife and Cold Meat Fork Set	"	6 [illegible]
No. 4799	Lettuce Salad Serving Spoon and Lettuce Serving Fork Set	"	6 [illegible]
No. 4800	Oyster Set, consists of one oyster ladle and six round bowl soup spoons	"	[illegible]
No. 4801	Pastry or Pie Set, consists of one pastry or pie serving knife and six individual pie forks	"	1 44
No. 4802	Salad Serving Spoon and Salad Serving Fork Set	"	3 48
No. 4803	Salad Set, consists of one salad serving spoon one salad serving fork and six individual salad forks	"	14 40
No. 4804	Salad Set, consists of one salad serving fork and six individual salad forks.	"	17 16

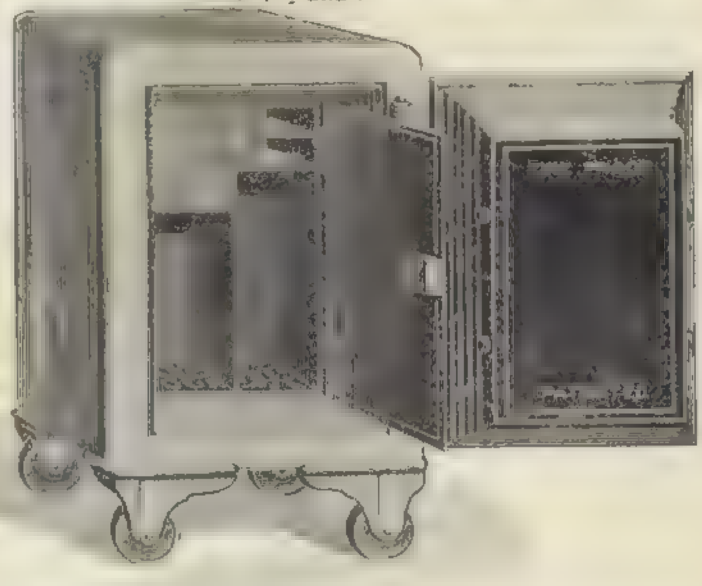
*VICTOR FIREPROOF SAFES



Nos. 4½ and 5

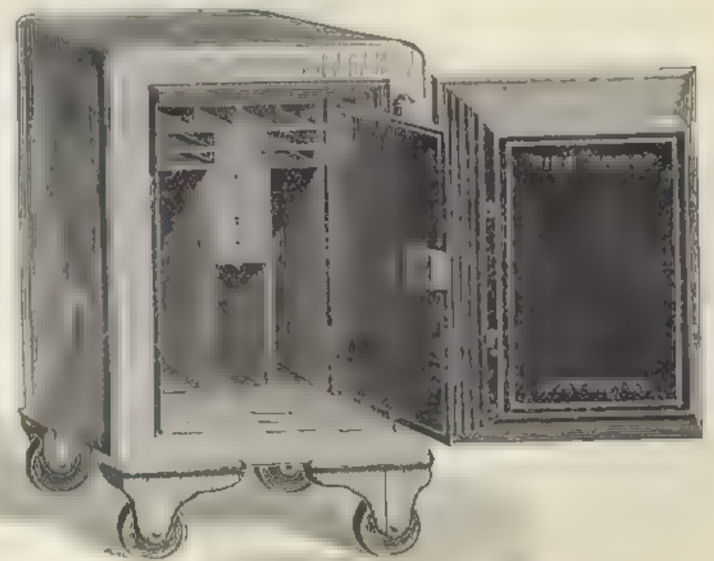
No. 4½ Four Tumbler non-pickable combination [illegible] Outside dimensions, over all, 36 inches high, 24 [illegible] inside dimensions 20 [illegible] inches deep. Sub [illegible] tray. Two drawers and tw[illegible] Small book space 8 x 5 x 13 inches. Large book [illegible] 9½ x 13 inches. Bessemer steel inside door [illegible] duplicate flat key lock. Weight 900 pounds, each.. ... $75.00

No. 5 [illegible] combination lock [illegible] 40 inches high, 26 inches [illegible] inside dimensions [illegible] 3 inches deep. Sub tr[illegible] [illegible] eys and metal cash tray [illegible] lock drawer under sub [illegible] 19 x [illegible] [illegible] Bessemer steel [illegible] [illegible] flat key lock. Weight 1200 pounds [illegible] $90.00



No. 6

No. 6 Four Tumbler non-pickable combination lock. Outside dimensions over all 44 inches high 27 inches wide, 28½ inches deep; inside dimensions 25½ inches high 16 inches wide, 13 inches deep. Large iron sub treasury with cash tray and duplicate keys. One drawer with lock and two drawers without lock; two pigeon holes. Small book space 15½ inches high; large book space 19 inches high. Bessemer steel inside door with duplicate flat key lock. Weight 1,500 poun[illegible] each .$110.00



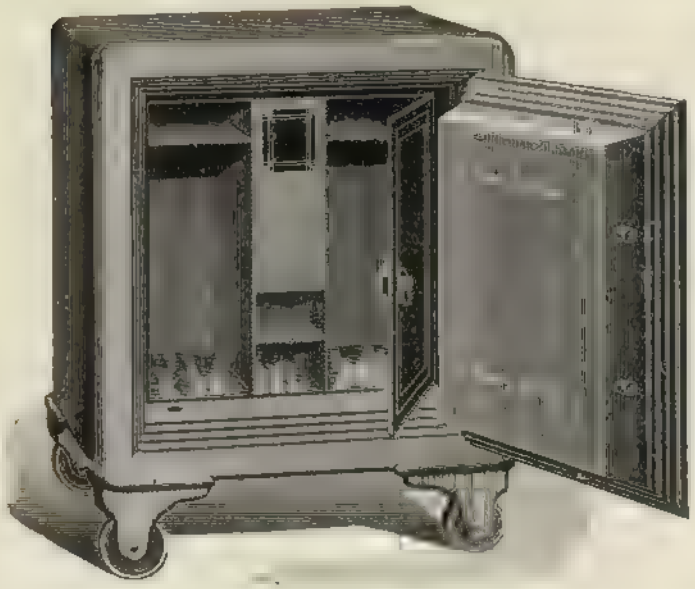
Nos. 7 and 8

No. 7 Four Tumbler non-pickable combination lock. Outside dimensions, over all, 40½ inches high 29½ inches wide, 29½ inches deep; inside dimensions, 2[illegible] [illegible] 18 [illegible] 1[illegible] inches deep. Sub treasury 5 x 6 x 10 inches, with duplicate keys and metal tray. Two book spaces 16 x 5½ x 13 inches, and one small space 6 x 6 x 13 inches. 8 pigeon holes, two knob drawers and two lock drawers. Heavy [illegible] [illegible] with duplicate key lock. Weight 1[illegible] $15[illegible]

No. 8 [illegible] Tumbler non-pickable [illegible] lock [illegible] dimensions, over all, 48 inc[illegible] wide 30½ inches deep; inside dime[illegible] high, 20 inches wide, 14 inches deep. [illegible] treasuries, 5 x 6 x 12 inches, with metal cash tray. 8 pigeon holes, two lock drawers and one knob dr[illegible] Two large book spaces 18 x 6 x 14 inches, and one small space 10 x 6 x 14 [illegible] steel inside door with duplicate flat key [illegible] 1,800 pounds, each..$180.00

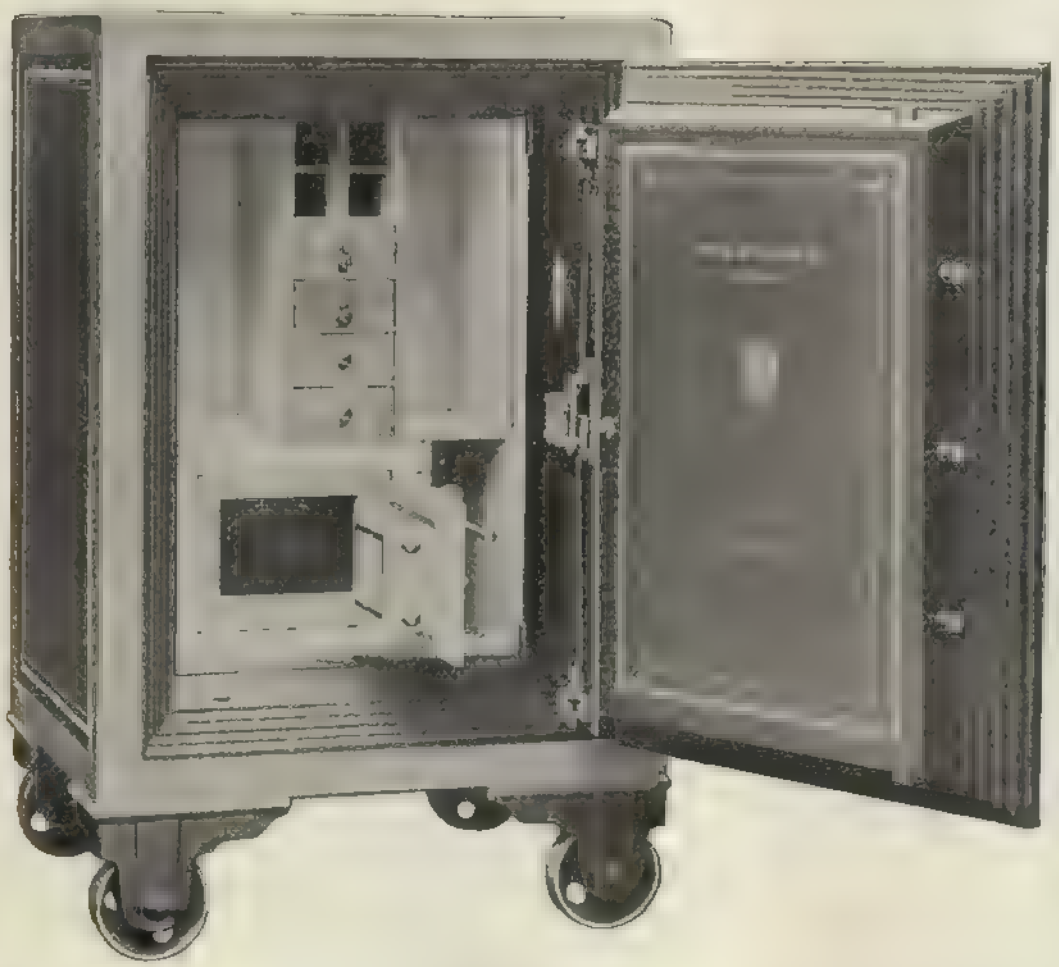
*Not carried in st[illegible] be shipped promptly from factory.

*VICTOR FIREPROOF SAFES



No. 9

No. 9 Four Tumbler non-pickable combination lock, with separate handle and dial. Outside dimensions, over all, 39 inches high, 32¾ inches wide, 29 inches deep. Inside dimensions, 21½ inches high, 21 inches wide, 15 inches deep. Iron sub treasury, two locks, drawers, four pigeon holes. Two book spaces 18x7 x15 inches. Heavy Bessemer steel inside door with duplicate flat key lock. Weight 1,600 pounds. Each $120 00

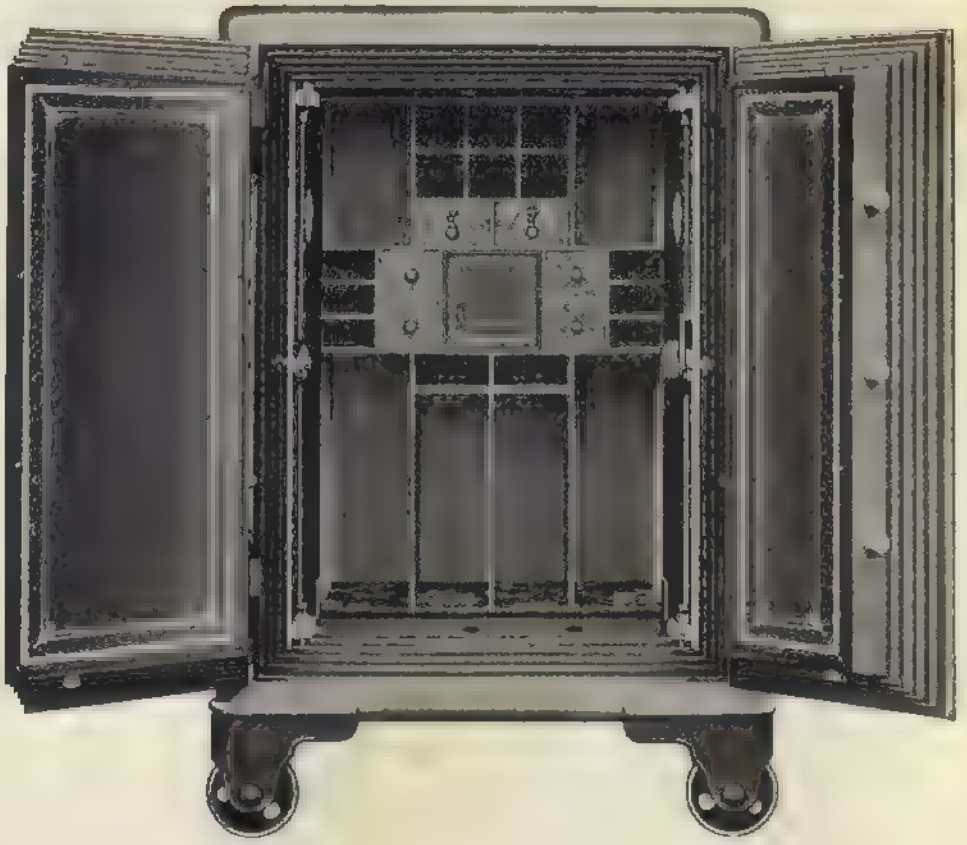


No. 10B

No. 10B Four tumbler non pickable combination lock on outside door and five tumbler burglar proof combination lock on steel chest, outside dimensions over all 55¼ inches high, 34 inches wide at 31½ inches deep. Inside dimensions 34 inches high, 22 inches wide, 14 inches deep. Steel burglar proof chest 14 inches high 10 inches wide, 12 inches deep. Two book spaces 19x7⅛ inches one book space at side of chest 14x5 inches, two lock drawers, two knob drawers, four pigeon holes heavy Bessemer steel inside door, flat key lock, duplicate keys, weight 2,750 pounds... each $320 00

*Not carried in stock; can be shipped promptly from factory.

*VICTOR FIREPROOF SAFES



Four Tumbler Non-pickable Combination Lock, with separate handle and dial. Double outside doors, and heavy double Bessemer steel inside doors with duplicate flat key lock.

No. 11 Outside dimensions, 56 inches high, 35 inches wide, 31 inches deep; inside dimensions, 34 inches high, 22 inches wide, 14 inches deep. Sub treasury 7 x 6 inches with duplicate keys and cash tray. Two book spaces 19 x 7¼, one book space 12 x 6, two book spaces 10 x 3½ inches, eleven pigeon holes, one lock drawer and two knob drawers. Weight 2,800 pounds . . . . . each, $240.00

No. 12 Outside dimensions, 57½ inches high, 30½ inches wide, 31½ inches deep; inside dimensions, 36 inches high, 23¾ inches wide, 15 inches deep. Sub treasury 7 x 6 inches, with duplicate keys and cash tray. Two book spaces 20 x 8 inches, one book space 12 x 6 inches, two book spaces 11 x 4 inches, two lock drawers, two knob drawers, nine pigeon holes. Weight 2,900 pounds. . . . . each, $260.00

No. 13 Outside dimensions, 60 inches high, 39 inches wide, 32 inches deep; inside dimensions, 38 inches high, 25½ inches wide, 15 inches deep. Sub treasury 8 x 8 x 13 inches with duplicate keys and cash tray. Two book spaces 20 x 6 inches, two book spaces 17 x 6 inches, two book spaces 8¾ x 6 inches, 14 pigeon holes, two lock drawers and 4 knob drawers. Weight 3,200 pounds. . . . . each, $280.00

No. 14 Outside dimensions, 62 inches high, 41½ inches wide, 32½ inches deep; inside dimensions, 40 inches high, 28 inches wide, 16 inches deep. Sub treasury 8 x 8 x 13 inches, with duplicate keys and cash tray. Two book spaces 20 x 7 inches, two book spaces 17 x 6 inches, two book spaces 11 x 7 inches, 14 large pigeon holes, two lock drawers and 4 knob drawers. Weight 3,500 pounds . . . . . each, $300.00

No. 15 Outside dimensions, 52 inches high, 38½ inches wide, 31½ inches deep; inside dimensions, 28½ inches high, 24½ inches wide, 15 inches deep. Iron sub treasury, three drawers, eight pigeon holes. Three book spaces 17 x 15 inches. Weight 2,700 pounds . . . . . each, $250.00

Note: Illustration is No. 13. Other numbers are similar style.

*Not carried in stock, can be shipped promptly from factory

*VICTOR VAULT FRONT

No. 1

Opening in Wall to take in this vault front should be 76 inches high, 32 inches wide and thickness of wall 20 inches

Clear Opening in Doorway, after vault is placed in position, is 72 inches high and 28 inches wide.

Outside Door fitted with best four-tumbler Victor Combination Locks. Two round bolts working forward and backward, one up and one down, through a wrought Bessemer steel angle frame, which is securely riveted (not screwed) all the way around to door plate

Inside Doors strongly constructed and paneled with up and down bolts and fitted with best flat key lock and duplicate keys. Name lettered on door free of charge when so requested in order
Weight about 600 pounds.....each, $110.00

*Not carried in stock; can be shipped promptly from factory.

*VICTOR VAULT FRONT

No. 2

Opening in Wall to take in this vault front should be 76 inches high, 32 inches wide, and thickness of wall 20 inches.

Clear Opening in Doorway, after vault is placed in position, is 72 inches high and 28 inches wide

Outside Door fitted with best four-tumbler Victor Combination Lock. Five round bolts, three working forward and backward one up and one down, through a heavy wrought Bessemer steel angle frame, which is securely riveted (not screwed) all the way around to door plate

Inside Doors strongly constructed and nickel-plated, with top and bottom bolts and fitted with best tumbler lock and duplicate keys. Name lettered over door free of charge when requested in order. Ornamental top piece with side brackets

Weight about 700 pounds . . . .each, $120 00

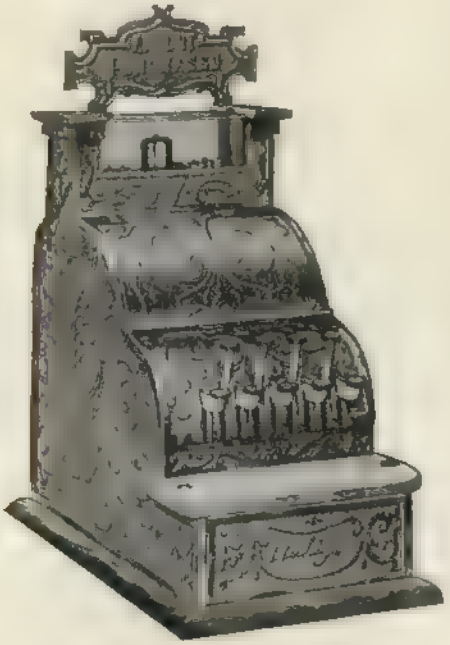
*Not carried in stock; can be shipped promptly from factory

CASH REGISTERS

*No. 3 Detail adder, 21 keys, height 21 inches, depth 17 inches, width 19 inches, has all up to date devices to prevent manipulation, registers from 1 cent to $29.99, nickel plated or oxidized copper, weight 90 pounds, each $75.00

*No. 4 Detail adder, 15 keys, height 21 inches, depth 17 inches, width 14 inches, has all up to date devices to prevent manipulation, registers from 1 cent to $3.00, nickel plated or oxidized copper, weight 75 pounds, each $67.00

CASH REGISTERS



*No. 7 Detail adder, 9 keys, for small stores where counter space is limited, registers 1 cent to 50 cents or 5 cents to $1.00, nickel plated or oxidized copper, weight 60 pounds..... each $45.00

*Not carried in stock; can be shipped promptly from factory.

TINNERS' TOOLS

STAKES

SQUARE

Wrought Iron, Steel Face.

Nos.	936	938	939
Size of Face, Inches	2¾x4½	3½x5	1¾x2½
Weight Each, Lbs.	11	14	3
Each	$....	....	....

ROUND HEAD

Cast Iron, Polished Face.

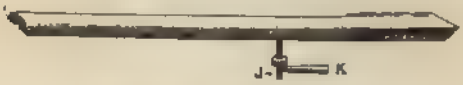
No.	965
Length Over All, Inches	12½
Diameter of Head, Inches	3
Weight Each, Lbs.	9½
Each	$....

DOUBLE SEAMING

Cast Iron, Polished Faces.

	Each
No. 949 (49)—With 4 Heads, One Each, Round, Square, Oblong and Oval, Weight Each Complete 110 Lbs.	$....

HOLLOW MANDREL



Cast Iron, Polished Face.

Nos.	910	911
Length Over All, Inches	40	60
Length Flat Part, Inches	9	12
Width Flat Part, Inches	6	7
Length Oval Part, Inches	31	48
Size Radius of Circle, Inches.	2	2½
Weight Each, Lbs.	80	108
Each	$....	....

COPPERSMITHS' SQUARE

Wrought Iron, Steel Face.

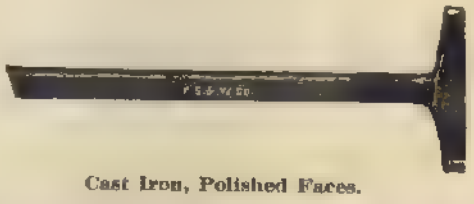
No.	935
Size of Face, Inches	2¾x4½
Weight Each, Lbs.	11
Each	$....

BOTTOM

Wrought Iron, Steel Face.

Nos.	951	952	953	954
Length, Inches	13½	13½	13½	13½
Width Top, Inches	1⅝	1½	1⅛	1
Weight Each, Lbs.	3	2¾	2.	1¾
Each	$....	....	....	....

SOLID MANDREL



Cast Iron, Polished Faces.

Nos.	960	960½	961	962	963
Length Stand, Inches.	61	40	34½	30	27½
Diameter, Inches.	3⅝	3	2¾	2¼	2¼
Weight Each, Lbs.	128	86	56	43	30
Each	$....	....	....	....	....

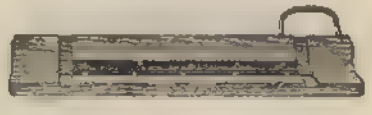
BENCH PLATES

Cast Iron, Smooth Surface.

Nos.	980	981	982
Width, Inches	12	8	8
Length, Inches	48	37½	30
Weight Each, Lbs.	85	46	31
Each	$....	....	....

WOOD ROOFING FOLDERS

COMMON



Nos.	3C	13C	23C	33C
Length, Inches	14	20	28	30
Will Form Locks	⅛	⅛	⅛	⅛
Weight Each, Lbs	8	9	11	14
Each	$....	....	....	....

IMPROVED

With Adjustable Gauge.

Nos.	113Imp.	123Imp.	223Imp.
Length, Inches	20	30	30
Form Locks, Inches	⅛–⅝	⅛–⅜	⅛–⅝
Weight Each, Lbs.	10	17	17
Each	$....	....	....

Note—No. 223Imp. is a Special Folder Adjustable for 20 or 30 in. Sheets.

These Wood Roofing Folders are constructed with well seasoned wood with blades fitted of high grade special steel accurately machined and finely finished.

TINNERS' TOOLS

REGULAR ROOFING TONGS

Nos.	770½	770¾	771	771¼
Length Handle, Inches..	21	21	21	21
Length Blades, Inches...	18½	18½	18½	18½
Width Blade, Inches....	1½	1½	1½	1¾
Will Turn Lock Inches	½	¾	1	1¼
Weight Each, Lbs....	8	8	8	9
Each	$....	....	....	....
Nos.		771½	771¾	772
Length Handle, Inches..		21	21	21
Length Blades, Inches...		18½	18½	18½
Width Blade, Inches....		2	2¼	2½
Will Turn Lock, Inches..		1½	1¾	2
Weight Each, Lbs.....		9½	10	10½
Each		$....	....	..

STOW'S IMPROVED ADJUSTABLE ROOFING TONGS

Each

No. 773—Length of Handles 21 in., Length of Blades 18½ in., Width of Blades 2 in., Will Turn ½, ¾, 1, 1¼ and 1½ in. Locks, Weight Each 9½ Lbs..... .....$ . .

REESE'S IMPROVED ROOFING TONGS

Each

No. 775—Length of Handles 24½ in., Depth of Jaws 11 in., Length of Blade 13½ in., Width of Blade 1½ in., Will Turn Edges ½ to 12½ in., Weight Each 11½ Lbs.....$....

Adapted to edging and bending on all kinds of ordinary sheet metal. They are simple in construction, strong, light and durable and can be used on No. 22 gauge material

GUTTER TONGS

Each

No. 777 Length of Handles 24½ in., Length of Blades 12½ in., Width of Blades 1¾ in., Depth of Jaws 14 in., Weight Each 10 Lbs.. . $ . .
For turning up Gutter, Square Pans, etc

SQUEEZING TONGS

Each

No. 766—24 in. Pipe Handles with Cast Grips, Length of Jaws 11½ in. Depth of Jaws ⅞ in. Weight Each 17 Lbs.....$.....

Used for compressing seams of roll cap and pressed standing seam roofing.

BURRITT'S DOUBLE ROOFING SEAMERS

For IC Tin Roofing.

Per Set of Two

No. 742—Common Gauge, Length Over All 30 in., Length of Jaws 14¾ in., Wrought Iron Pipe Handles, Weight Per Set of Two 40 Lbs. ..$.

No. 742½—Wide Gauge, Length Over All 30 in., Length of Jaws 14¾ in., Wrought Iron Pipe Handles, Weight Per Set of Two 40 Lbs... . .....

Note—Common Gauge to follow 1 and 1¼ in. tongs, finishing a lock ¾ in. high. Wide Gauge to follow 1¼ and 1½ in. tongs, finishing a lock 1 in. high.

For Iron Roofing 28 Gauge or Lighter, for Single or Double Seam.

Per Set of Two

No. 0742—Wide Gauge, Length Over All 30 in., Length of Jaws 14¾ in., Wrought Iron Pipe Handles, Weight Per Set of Two 40 Lbs.....$..... in Wide Gauge only, and follow 1½ and 1¾ in. Tongs.

Note—Iron Roofing Double Seamers No. 0742 are made finishing a double seam 1 in. high

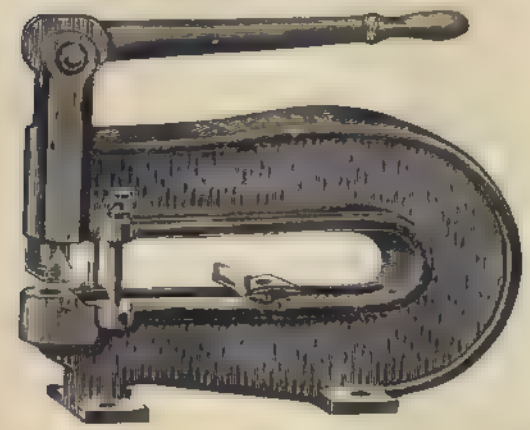
Burritt's Double Seamers will do the work more evenly than by any other process. They do not crimp the metal, leaving the locks of uniform height.

ROOFING DOUBLE SEAMERS

Nos.	743	744
Size, Inches	½x¾	¾x1
To Match Roofing Tongs, In..	¾x1	1x1¼
Weight Per Set, Lbs.....	14	16
Per Set of Two Pairs.....	$....	..
Nos.	745	746
Size, Inches	1x1¼	1¼x1½
To Match Roofing Tongs, In..	1¼x1½	1½x1¾
Weight Per Set, Lbs.....	19	22
Per Set of Two Pairs.....	$....	....

TINNERS' TOOLS

IMPROVED SAMSON PUNCHES



Bolt Fastened, Wrought Iron Links, with Adjustable Gauge.

Each

No. 675—With Three Dies and Punches, viz., ⅛, ¼ and ⅜ in., Depth of Throat to Frame 15 in., to Gauge 14½ in., Will Punch No. 9 Iron with Stay Bolts and No. 12 Iron without Stay Bolts, Will Center on 7 in. Sheets with Stay Bolts and 30 in. Sheets without Stay Bolts, Weight Each 140 Lbs. ..... $....

No. 676—With Three Sets of Dies and Punches viz., ¼, ⅜ and ½ in., Depth of Throat to Frame 15 in., to Gauge 14½ in., Will Punch ¼, ⅜ and ½ in. Hole in ½ in. Iron with Stay Bolts and ¼ in. Hole in ¼ in. Iron and ⅜ and ½ in. Holes in ⅜ in. Iron without Stay Bolts, Will Center on 7 in. Sheets with Stay Bolts and 30 in. Sheets without Stay Bolts, Weight Each 250 Lbs ....

SPECIAL PUNCHES FOR No. 676 PUNCHES

With Stay Bolt.

Each

½	in. for ¼ in. Iron..	$..
⅝	in. for ⅜ in. Iron..	....
1	in. for ½ in. Iron..	....
1¼	in. for ½ in. Iron.....	....

Without Stay Bolt.

Each

½	in. for ⅜ in. Iron.....	$..
⅝	in. for ½ in. Iron..	....
1	in. for No. 16 Gauge Iron.	....
1¼	in. for No. 16 Gauge Iron.	....

IMPROVED SAMSON PUNCHES

With Adjustable Gauge.

Each

No. 677—With Three Dies and Punches, viz., ¼, ⅜ and ½ in., Depth of Throat to Frame 6 in., to Gauge 5½ in., Will Punch ¼, ⅜ and ½ in. Holes in ½ in. Iron, Will Center on 12 in. Sheets, Wt Each 220 Lbs..... $

Constructed to meet a wide field of usefulness and will prove an all around punch for heavy work.

SPECIAL PUNCHES FOR No. 677 PUNCHES

Each

½	in., for ¼ in. Iron.	$
⅝	in., for ⅜ in. Iron	
1	in., for ½ in. Iron.....	
1¼	in., for ½ in. Iron.....	

HAND PUNCHES

Punches

For No. 20 Iron and Lighter.

With Adjustable Gauge.

Each

No. 790 7½ in. Long, 4 in. High, Depth of Throat 1 in., with Three Sets of Dies and Punches, viz., ⅛, ⅜ and ¼ in., Will Center on 2 in. Sheets, Weight Each 2½ Lbs. ..... $....

The toggle movement as used on this punch is powerful and works with rapidity, yet so small it may be carried in the pocket and will prove a very useful tool for outside work.

HANDY SEAMERS

Adjustable.

Each

No. 791—7½ in. Long Over All, Size of Blades 3½ in., Width of Blades ⅞ in., Adjustable for Seams from ⅛ to ⅞ in., Weight Each 1 Lb..$....

This Pocket Seamer is very useful where a large one would not be practical. Adjustable for seams of different widths. Is is light and can be carried in tool kit or pocket.

SQUARE PIPE CRIMPERS

Each

No. 787 11 in. Long Over All, Weight Each 2 Lbs.$....

Assembling square pipe joints with these crimpers is a quick and easy operation, producing tight fitting joints and improving the quality and appearance of the work.

EAVES TROUGH END CLOSING FORMS

The Tool.

The Work.

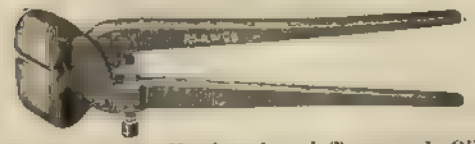
Nos.	3½	4	4½	5	5½
Inches	3½	4	4½	5	5½
Each ..... $....	....	....	....	....	

With the use of these forms, the ends of the eaves trough can be closed much neater and quicker than with any other method. The form is placed in gutter and the iron worked into grooves with a hammer, producing a corrugated closed end. Frost will not burst the end out.

TINNERS' TOOLS

END CUTTING NIPPERS

PENTO IMPROVED



Best Cast Steel Jaws, Hardened and Tempered, Oil Finished Head and Handles, Polished Cutting Jaws, Steel Set Screws.

Nos.	0	1	2	3	4	5
Length, Inches	14	12	11	10	8	7
Width Cutting Jaw In	2	1½	1⅜	1¼	1⅛	1
Wt Per Dozen, Lbs	41½	27¼	20½	16¾	9⅝	8¼
Each ..... $						

CARPENTERS

Forged Steel Throughout, Removable Best Tool Steel Jaws, Oil Finished Handles.

Nos.	80	100	120	130
Length, Inches	8	10	12	14
Weight Each Lbs.	1	1½	2	2¾
Each ..... $				

RIVET SETS AND HEADERS

Nos.	00	0	1	2	3	4	5	6	7	8
No. 46—Special Forged Steel, Gun Metal Finish.										
Size, Nos.	00	0	1	2	3	4	5	6	7	8
Size of Hole, Inches	7/64	9/64	11/64	.213	.191	.166	.1495	.1405	1285	11
Length, Inches	5½	5½	5	5	4½	4½	4¼	4¼	4¼	4¼
For Iron Rivets, Lbs.	14	10–12	7–8	6	4–5	2½–3	1¾–2	1½	1–1¼	⅝–¾
For Copper Rivets, Nos.	..	5	6	7	8	9	10	12	13	14
Weight Per Dozen, Lbs.	10½	10½	7	7	5	5	3½	3½	3	3
Each ..... $										

SOLID PUNCHES

Prick Punches. Solid Punches. Wire Chisel Lantern Chisel.

Nos.	0	1	2	3	4	5	6	7	8	9	10

Cut Shows Exact Size of Face.

Forged Steel, Octagon.

Nos.	Prick	00	0	1	2	3	4
Length, Inches	4½	5	5	4⅜	4¾	4½	4½
Diameter Face, Inches		.315	.305	.28	.25	.225	.213
For Rivets, Lbs			16	14	12	9 10	7 8
Each ..... $							

Nos.	5	6	7	8	9	10
Length, Inches	4½	4½	4½	4½	4½	4½
Diameter Face, Inches	.188	.168	.145	.128	.114	.1
For Rivets, Lbs	4 6	3 4½	2-2½	1¼ 1½	1¾ ¾	⅞ 1	½ ⅝
Each ..... $						

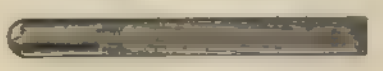
One Dozen in a Carton

IN SETS

Per Set

No. 5 Set—Consists of One Each Nos. 0, 4 and 8 Punch, One Prick Punch, One ¾ in. Wire Chisel and One ½x⅝ in. Lantern Chisel..... $

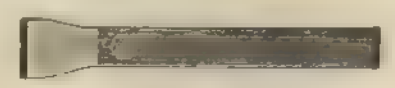
LANTERN CHISELS



Cast Steel.

Size, Inches	½x3½	1x3¾
Each $		

WIRE CHISELS



Cast Steel.

Size Blade, Inches	¼	⅜	½	⅝	¾	⅞	1
Each $							

Size Blade, Inches	1⅛	1¼	1⅜	1½	1¾	2
Each $						

TINNERS' TOOLS

HOLLOW PUNCHES

Forged Steel.

Forged Steel, with Wrought Shank.

All Sies 5/8 in to 1 1/8 in Inclusive, are Forged Steel Throughout; Larger than 1 1/8 in have Forged Steel Blade and Wrought Shank

Black Finish, Polished Edge, Tempered and Sharpened.

No. 48—For Cutting Sheet Metal, Straw Board, Paper, Etc.

Size Hole, Inches	5/8	1/2	5/8	3/4	7/8	1	1 1/8	1 1/4	1 3/8
Weight Each, Lbs.	1/4	3/8	1/2	1/2	1/2	3/4	3/4	3/4	3/4
Each	$ . .	.	.	.	.	.	.	. . .	

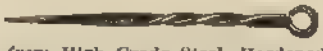
Size Hole, Inches	1 3/4	2	2 1/4	2 1/2	2 3/4	3	3 1/4	3 1/2
Weight Each, Lbs.	1 1/8	1 1/2	1 1/2	1 3/4	1 3/4	2	2 1/4	2 1/2
Each	$....	. .	.	.	.		. .	

HAND GROOVERS

Forged Steel, Black Finish, Tempered and Polished Head, Round Shank.

Nos.	0000	000	00	0	1	2	3	4	5	6	7	8
Size of Groove, Inches	1/32	1/32	1/16	3/32	1/16	5/32	3/16	7/32	1/4	5/16	3/8	7/16
Weight Each, Lbs.	1/10	1/10	1/6	1/6	1/6	1/6	1/6	1/6	1/6	1/6	1/6	1/6
Each	$....	.	.	.	.	.	.	.	.	.	.	.

SCRATCH AWLS



Forged from High Grade Steel, Hardened Points.

Per Dozen

No. 01—8 1/2 in. Long, Weight Per Dozen 1 Lb....$.

ROOFING SCRAPERS

Forged Highest Grade Steel, Well Tempered, Finely Finished.

Each

No. 996—3/4x5/8x10 in., Weight Each 2 Lbs.....$....

RIVETING HAMMERS

Plain Eye, Forged High Grade Crucible Steel, Hardened and Tempered, Full Polished, Selected Second Growth Hickory Handle.

Nos.	0R	1R	2R	3R	4R	5R
Face, Inches, Square.	1 1/8	1 1/8	1	7/8	3/4	5/8
Weight Each, Oz ..	40	24	18	14	10	6
Per Dozen	$....	....	....	....	....	.

With rounded cross pein for stretching metal and for setting work. Will not mar the metal

SETTING HAMMERS

Plain Eye, Forged High Grade Crucible Steel, Hardened and Tempered, Full Polished, Selected Second Growth Hickory Handle.

Nos.	1S	2S	3S	4S	5S
Face, Inches, Square.	1 1/8	1	7/8	3/4	5/8
Weight Each, Oz....	24	18	14	10	6
Per Dozen	$. .	....	. ..	....	.. .

The pein in this style hammer is particularly adapted to setting in bottoms

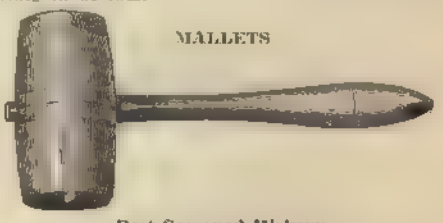
RAISING HAMMERS

Cast Steel, Polished Faces, Hickory Handle.

Nos.	1	2	3	4
Face, Inches.....	2 1/2 x1 3/4	2x1 1/2	1 5/8 x1 3/8	1 3/8 x1 1/8
Weight Each, Lbs.	5 1/2	3 3/4	2 1/4	1 3/4
Each	$....	....	.	.

For blocking out bottoms, covers or any kind of raised work

MALLETS



Best Seasoned Hickory.

Nos.	1	2	3
Size of Face, Inches....	2 1/4 x3 1/4	2 1/2 x5 1/2	2 3/4 x5 3/4
Per Dozen	$....	....	.
Nos.	...	4	5
Size of Face, Inches ...		3x6	3 1/2 x6 1/2
Per Dozen		$....	...

Length, Inches	To 3/8	1/2	5/8	3/4
Cut, Inches	4	3 1/2	3	2 3/4
Will Cut Iron, Nos...	24	25	26	27
Weight Each, Lbs ...	3 3/8	2 1/2	2 1/4	1 7/8
Each	$....		..	...

Especially adapted to cornice and tin work, for cutting circles, scrolls, etc. The blades are rounding and very sharp pointed

No.	12 1/2
Length, Inches	3
Cut, Inches	1 7/8
Weight Each, Lbs.	$.
Each	

Adapted for all kinds of rough and ready use

TINNERS' TOOLS

HAND SHEARS OR SNIPS

HERCULES COMBINATION, STRAIGHT

Forged from Special High Grade Steel, Blued Handles, Polished Head, Beveled Jaws with Straight Cutting Edges.

Nos.	146	147	148	149
Length, Inches	15½	14½	13½	12½
Cut, Inches	4⅛	3⅛	2⅞	3
Will Cut Iron, Nos.	24	25	26	27
Weight Each, Lbs.	3⅞	3	2⅛	2
Each	$			

The jaws are beveled with straight cutting edges, which allows the material to pass freely when cutting curves or changing direction of cut.

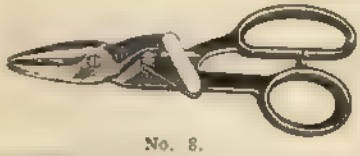
HERCULES COMBINATION CIRCULAR

Forged from Special High Grade Steel, Blued Handles, Polished Head, Beveled and Curved Blades.

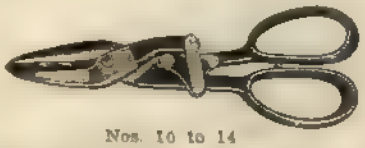
Nos.	C147	C148	C149
Length, Inches	14½	14	12¾
Cut, Inches	4	3½	
Will Cut Iron, Nos.	25	26	27
Weight Each, Lbs.	3	2⅛	2
Each	$		

The blades being curved and beveled permits material to pass more freely when cutting small curves or irregular shapes

STRAIGHT COMPOUND LEVER



No. 8.



Nos. 10 to 14

Drop Forged High Grade Crucible Tool Steel, Tempered Throughout, Polished Blades, Japanned Handles.

Nos.	8	10	12	14
Length, Inches	8	10½	13	14
Blades, Inches	2	3	3⅝	4¼
Cut, Inches	1¾	2½	3	3½
Weight Each, Lbs.	⅞	1⅜	1⅞	2⅛
Each	$2 00	3 00	4 00	4 60

The compound lever action gives an evenly distributed cutting strain from a close throat start to the finish at the point of the blade. On all sizes there are two straps or links connecting the handle and blade, one on either side firmly riveted together, making a solid frame giving perfect control of the blades, with them notching becomes an easy task

HAWK'S BILL COMBINATION SCROLL OR CIRCULAR

Forged Handles, Solid Steel Blades, Blued Handles, Polished Head.

Each

No. 15—11¾ in. Long, 3 in. Cut, Will Cut No. 28 Wire, Weight Each 1¼ Lbs. . . . $ . .

The blades have a peculiar clearance bevel between the cutting edges, which permits the blades to easily turn a sharp corner or work around a small curve without buckling.

POCKET

Solid Forged Steel, Polished Blades, Blued Head.

Each

No. 82—7 in. Long, 2 in. Cut, Weight Each ½ Lb. $

Will prove useful to the mechanic, plumber, electrician and automobilist. The tinsmith or sheet metal worker will find it a very useful vest pocket shear

HAND SLITTING

Forged Best Norway Iron, Steel Laid Blades, Blued Handles, Polished Head.

Each

No. 59 13½ in. Long, 3 in. Cut, Will Cut No. 24 Iron, Weight Each 2½ Lbs . . $

The lower jaws relieved to allow the material to slide back freely

BERRIDGE DOUBLE CUTTING SHEARS

No. 2

Forged from High Grade Steel, Carefully Tempered and Hardened, Polished Head, Black Finish Handles. Each

No. 2—13½ in. Long, with Pipe Crimper, Weight Each 2¼ Lbs . . . . . $.

No. 02—13½ in. Long, without Pipe Crimper, Weight Each 2¼ Lbs . . . . . .

No. 23—Pocket Size, 8½ in. Long, without Pipe Crimper, Weight Each 1 Lb. . . . . .

They are adapted to cutting off the bottoms of pails, cans, etc., and suitable for cutting round or square work. The crimping attachment is designed for crimping any kind of sheet metal, pipe round or square. The parts are interchangeable and the crimping jaws are of steel.

TINNERS TOOLS

PECK, STOW & WILCOX STAKES

Wrought Iron with Steel Faces

SQUARE HEAD

Adapted for all Square Work

Each

No. 8S—Common Square, Size of Face 4x5/8 in., Weight Each 11 lbs. $4.00 3 00

+No. 8SS—Small Square; Size of Face 3x4¼ in.; Weight Each 8 lbs. 3.50 2.00

+No. 8L—Large Square; Size of Face 5½x6¼ in., Weight Each 24 lbs. 10.75 7 00

Loose

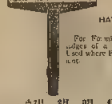
ROUND HEAD

Used for Light Work, Riveting Handles on Covers, etc.

Each

No. 8R—Diameter of Head 3½ inches; Length Over All 12½ inches; Weight Each 9½ lbs. $3.00 1 25

Loose



HATCHET

For Forming Seams on the edges of a Sheet, Generally used where Folder is Inconvenient.

Nos.	+2H	+3H	4H	5H	+6H
Blade In.	10	10 4	12	12	7
Handle In.	14	12	6	4	7
Each	6 00	4 25	3 50	2 75	2 25	1 75
	7 00	6 50	5 40	4 80	3 60	3 70

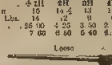
Loose

With Horn

The Horn is Used for Forming Tubes, Cylinders, etc.

With One Round and One Square Arm

For Forming 1 Grooved and Smallest Tubes Rings, etc.



With Both Arms Round and Tapering For Forming Small Cylinders, Pipes, Rings etc.

Loose

CREASING

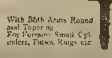
No. CR—Length of one 9½ in., other End 8 in.; Weight Each 12½ lbs. $8.00 4 00

Loose

NEEDLE CASE

No. NC—Length of Horn 10½ in., of Flat End 8 in.; Weight Each 4 lbs. $5.50 2 25

Loose



CANDLE MOULD

No. CM—Length of Horn, End 8 in., of Horn 8½ in.; Weight each 2½ lbs. $4.50 2.75

Loose

DOUBLE SEAMING

Each

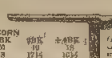
With Both Arms Round, Flat Face, Beveled Ends.

For Small Vessels, Cans, etc.

+No. 1D—Length of Each End 17 in., Small End ⅞ in.; Weight Each 34 lbs. $3.75 2.00

+No. 2D—Length of Each End 11 in., Small End ⅝ in.; Weight Each 20 lbs. 2.50 1.00

Loose



BEAKHORN

Nos.	+1BK	+2BK	+3BK	+4BK
Square Arm, In.	20	19	18	17
Round Arm, In.	18	17½	16¾	16
Weight Each, Lbs.	15	9½	5¼	3½
Each	$15.00	12 25	10 00	7 50
	20 00	20 00	15 00	

For Flat Arm and One Round Tapering Arm

For Round Seams or Beaded Work

Loose

For Locking Seams on Conductor Pipe

With Both Arms Round

CONDUCTOR

Each

No. 1C—Length of Large End 18 in., of Small End 11½ in.; Weight Each 26 lbs. $6.50 4 00

+No. 2C—Length of Large End 24 in., of Small End 15 in.; Weight Each 28 lbs. 4 00 2 00

Loose

+UNIVERSAL STAKE HOLDERS AND STAKES

Stakes Can be Used in any Universal Position, Without Marring the Bench.

Per Set

+Complete Set as Listed Below, with Stake Holder, Weight per Set 132 lbs. $43.78 37 25

One Set in a Wood Box

+STAKES FOR ABOVE SETS Each

+Stake Holder, Wt. 21 lbs.	$7 70 4 50
+Beakhorn, Wt. 47 lbs.,	15.00 9.00
+Blowhorn, Wt. 10 lbs.,	6.00 3 75
+Cross Set, Weight 8 lbs.,	6.00 3 50
+Dbl. Seaming, Wt. 23 lbs.	11 10 6 50
+Conductor, Wt. 16 lbs.	6.00 4 00
+Candle Mould, Wt. 4½ lbs.	3.00 2 25
+Needle Case, Wt. 4 lbs.	3.00 1 75

+EXTRA PARTS

	Each
+Large End for Beakhorn, Weight 20 lbs.	$10.00 6.00
+Small End for Beakhorn; Weight 10 lbs.	5.00 3.00
+Flat End for Conductor; Weight 6 lbs.	3 00 2 25
+Round End for Conductor; Weight 10 lbs.	3.00 1 75
+Screw and Bolt for Stakeholder; Weight 2 ozs.	10 50
+Nut for Stakeholder; Wt. 1 0zs.	50 30

Loose

BLOWHORN

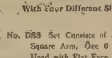
With One Long Tapering Arm and One Oval Facet Tapering Arm.

The Long Tapering Arm for Forming Tubes, Cylinders and Similar Articles; the Short Arm for Forming Covers, etc.

Each

No. CBH—Length of Small End 47¾ in., of Large End 9 in.; Weight Each 29 lbs. $7.00 5 00

Loose



DOUBLE SEAMING

With Four Different Shaped Heads

Per Set

No. DBS Set Consists of a 22x4 in. Square Arm, One 6 in. Round Head with Flat Face, One 5½x4 in. Oblong Head with Round Face, One 6x4¾ in. Square Head with Flat Face, and One 9½x3 in. Oblong Head with Oval Face; Weight per Set 85 lbs. $13.70 8.00

One Set in a Wood Box

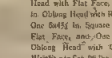
+EXTRA HEADS

Each

+For No. DBS Double Seaming Stake 22.38 1.60

Heads Weigh from 21 to 18 lbs.

In Ordering Extra Heads be sure to Specify the Style Wanted.



PATENT SLIP ROLL FORMERS

Rack Geared, Compensating Gears

For Heavy Work. Two Revolutions of the Crank to One Revolution of the Roller. Small Work Can be Taken from the End After it is Formed.

Each

+No. 0L—Diameter of Rolls 2 Inches; Length 33 Inches; Weight Each 154 lbs. $40.00 25 00

NOTE—Above Machine, with Legs, Additional, Each 10.00 7.00

One in a Box

+ Pulley—12x6 inches to Main Power — Machine of Above Factory, Weight Each 18 lbs. 12.60 9.00

Loose

TINNERS TOOLS

P. S. & W. MANDREL STAKES

With Oval Face on One Side, Flat Face on Reverse Side; Lengths Given Do Not Include Head.

Each

+No. 00M—60 ins., Wt. 128 lbs.,	$13.50 6.00
No. 0M—40 ins., Wt. 87 lbs.	9.50 5.00
No. 1M—34 ins., Wt. 44 lbs.	7 60 5.00
+No. 2M—30 ins., Wt. 27 lbs.	6.10 4.00
+No. 3M—27 ins., Wt. 21 lbs.	4.60 3.00

Loose

STOW'S PATENT

Turned Steel Bars Smooth and Free From Imperfections, Cast Iron Frame, Japanned.

FOR STOVE PIPE

Nos.	1	2
Diam. Rolls Inches	2	1¾
Length Rolls Inches	30	30
Weight Each Lbs.	123	115
Each	$19.40	18 00
	29 00	26 00

+FOR TIN PIPE

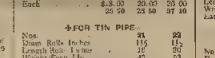
Nos.	25	30
Diam. Rolls Inches	1¾	1
Length Rolls Inches	30	12
Weight Each Lbs.	60	34
Each	$14 00	9 00
	15 00	12 00

	35	40
	1	1
	12	12
	34	45
	9 00	7 00
	15 00	12 00

+FOR CANS

Nos.	0	0½
Diam. Rolls Inches	2	2
Length Rolls Inches	37	37
Weight Each Lbs.	160	160
Each	$24 00	15 00
	30 00	20 00

One in a Wood Box



PATENT SLIP ROLL FORMERS

Rack Geared, Compensating Gears

For Heavy Work. Two Revolutions of the Crank to One Revolution of the Roller. Small Work Can be Taken from the End After it is Formed.

Each

+No. 0L—Diameter of Rolls 2 Inches; Length 33 Inches; Weight Each 154 lbs. $40.00 25 00

NOTE—Above Machine, with Legs, Additional, Each 10.00 7.00

One in a Box

+ Pulley—12x6 inches to Main Power — Machine of Above Factory, Weight Each 18 lbs. 12.60 9.00

Loose

P. S. & W. HOLLOW MANDRELS

Secured to Bench in Such a Manner that It Can be Swung to any Desired Position and Fastened.

Nos.	11HM	+12HM	+13HM
Length Inches,	40	42	46
Oval Part Inches,	6¾	7½	9¾
Flat Part Inches,	3	3½	4½
Weight Each, Lbs.,	45	100	200
Each	$7 50	10 00	22 00
	9 40	12 50	28 00

Each

+No. 11MP—Hollow Mandrel Fastener 5.00

Loose

STOVE AND TIN PIPE FORMING MACHINES

With Compensating Gears

Gear Construction by Roger Brown Thickness of Metal to Roll Up to and Including No. 24 Gauge. Cylinder Case of Steel, from 1 to 1¼ Inches Diameter, and from ¼ Inch to Small Size Wire.

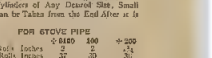
FOR STOVE PIPE

Nos.	11	12	+13
Diam. Rolls Inches	3	2	1
Length Rolls Inches	42	30	27
Weight Each Lbs.	300	123	110
Each	$35.00	20.00	15 00
	45 00	25 00	20 00

+FOR TIN PIPE

Nos.	21	22
Diam. Rolls Inches	1¼	1¼
Length Rolls Inches	30	30
Weight Each Lbs.	87	73
Each	$9 00	9 00
	13 00	13 00

One in a Wood Box



BEAD NG MACHINES STOW'S PATENT

With Interchangeable Parts

1 in. Shaft Runs in Brass, on which the Angle Iron Frame which Supports Each Machine is composed with 3 Pairs of Rollers and Rotary Stand with Bead 20 Gauge Iron

Nos.	41	42	43
Length Inches	17	10	7¼
Oval Head Inches	1	1	1
Triple Beads Inches	1	1	¾
Single Bead, In.	1	1	¾
Weight Each Lbs.	115	110	61
Each	$22 25	9 75	26 25
	35 00	30 00	24 00

One in a Box

+EXTRA PARTS

+Per Machine, Nos.	1	2	3
+Rollers, per Set	18.00	6.00	5.25
+Crimping Rolls, per Pr.	10.50	10.50	8.00
+Stands, Each	2.25	2.00	2.25
+Guide Rests, Each	3.25	2.25	2.25
+Cranks, Each	.85	.85	.90
+Crank Screws, Each	.65	.60	.90

Loose

ADAMS STOVE PIPE MANDRELS

With Heavy Band Clamp for Attaching to Bench. This Mandrel will be Found Very Handy, Especially in Small Shops.

Each

No. A—Close Iron, Polished Face; Length Over All 38 Inches; Width 4½ ins.; Wt. Each 60 lbs., $7.50

No. AS—Unpolished, Otherwise Same as Above, Wt. Each 60 lbs. 6.00

One in a Wood Box

PATENT SLIP ROLL FORMERS

With Compensating Gears

Easily Adjusted; Can be Quickly Set to Form Cylinders of Any Desired Size. Small Work Can be Taken from the End After it is Formed.

FOR STOVE PIPE

Nos.	0	500	+200
Diam. Rolls Inches	2	2	1¼
Length Rolls Inches	37	37	30
Weight Each Lbs.	140	125	60
Each	$30 00	25 00	18 00
	42 00	30 00	27 00

+FOR TIN PIPE

Nos.	121	302
Diam. Rolls Inches	1¼	1¼
Length Rolls Inches	30	16
Weight Each Lbs.	70	45
Each	$11 00	10 00
	15 70	14 00

One in a Wood Box

BEADING MACHINES STOW'S PATENT

With Interchangeable Parts

With Bead Material up to and Including 26 Gauge.

Each

No. 6—Length 6 inches; Size of Beads Over 3/16 inch, Triple Cut to 1/8 inch, Single Bead ¼ inch; Weight Each 26 lbs. $21.50 10 75

+No. 6—Length 6 inches, For Two Sizes of Beads; Accepts 3 Sets, Open Stock Triple Cutter and ¼ inch Triple Cutter Put, Four ¼ inch Single Beads 3/16 inch; Weight Each 27 lbs. 23.70 10 75

+EXTRA PARTS

+For Machines, Nos.	6	5
+Rollers, per Pair	$2.50	2.20
+Crimping Rolls, per Pr.	2.20	3.30
+Stands, Each	1.70	1.70
+Guide Rests, Each	1.50	1.30
+Cap and Crank Screw, Each	2.50	3 50

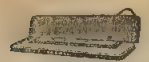
Loose

Items Marked + are Carried in Stock; Can Only be Furnished by Shipping Direct from Factory

Items Marked ½ Not Carried in Stock; Can Only be Furnished by Shipping Direct from Factory, Southington, Conn.

TINNERS TOOLS

PECK, STOW & WILCOX



ROOFING FOLDERS

Cold Cane Malleable Handle, Steel Edge Carrying Handle, The Flat Sheath Tin Prevents

ADJUSTABLE, WITH GAUGE

Each

+ No. 1NFA—Adjustable to 20 or 30 Inches, Weight Each 15 lbs. . . $9.00

IMPROVED, WITH GAUGE

+ No. 1RF20—20 inches Long, Weight Each 11 lbs. . . $ 6.00
No. 1RF30—30 inches Long, Weight Each 14 lbs. . . 8.00

COMMON WITHOUT GAUGE

+ No. PF14—14 inches Long, Weight Each . . . $ 4.00
+ No. PF20—20 inches Long, Weight Each 9 lbs. . . 5.00
No. RF30—30 inches Long, Weight Each 12 lbs. . . 6.00

Loose

+ EXTRA STEEL BLADES

For Roofing Folders

Each

+ For 20 inch Folder, Weight Each . . . $1.00
+ For 30 inch Folder, Weight Each 3 lbs. . . 2.00

Loose

ROOFING DOUBLE SEAMERS

Used in Places where Seaming Tongs would be Inconvenient.

Per Set of Two Parts

Two Parts to Match, Make One Set, Steel Steel, Japanned

No. RDS—Length of Faces 1½ Inches and 1¾ Inches, Weight per Set 9 lbs. . . $2.00 1.75

Loose

Single Parts One Half Above Price

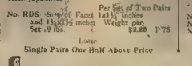
COMMON ROOFING TONGS

Used to Turn Seams and to Draw the Wire Strips of Tin Together Before Soldering. Each Side Turns on Screw in Center. Made of Steel, Japanned. 14 inches Long. 17 inch Clamps

Per Pair

No. RTS—Turn Seams . . . $4.50
No. RTS½—Turn Seams . . . 4.00
No. RTS3—Turn Seams . . . 3.50
Average Weight per Pair 9 lbs.

Loose



STOW'S IMPROVED ROOFING TONGS

These Tongs are Adjustable, and Single Pair will Turn Five Different Widths of Seams, they are Not, therefore, Sold in Sets. Made of Steel, Japanned.

Per Pair

No. 00—Turns Seams 1/4 to 1 inch. Length 10½ inches. Length of Jaws 3½ inches. Weight per Pair 8½ lbs. . . $6.50 4.00

+ EXTRA PARTS FOR STOW'S IMPROVED ROOFING TONGS

Each

+ Extra Blades . . . Weight Each 2½ lbs. . . $2.00 1.50
+ Extra Bolts . . . Weight Each ½ lbs. . . 25 .20
+ Extra Screws . . . Weight Each 1 lbs. . . 25 .15

Loose

+ BEEDE PATENT ROOFING TONGS

With Adjustable and Removable Gauge, Suitable for Edging and Bending any Kind of Sheet Metal up to 22 Gauge. Steel Clamps, Japanned. Adjusted by Thumb Screw and Sliding Gauge.

Per Pair

No. 0—Adjustable to Turn Edges from ½ to 10 inches. Length 30 inches. Width of Clamps 14 inches. Weight per Pair 11½ lbs. . . $16.00

Loose

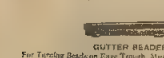
GUTTER TONGS

For Turning up Gutter, etc. Steel Clamps, Malleable Iron Handles, Japanned. Suitable for Iron or Steel up to 22 Gauge.

Per Pair

No. GT—Length 37 inches. Width of Clamps 18 inches. Weight per pair 18 lbs. . . $5.50 5.00

Loose



GUTTER BEADERS

For Turning Beads on Eave Trough Pieces, etc. Iron Buttons, with Enclosed Steel Rod.

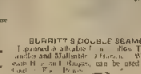
Each

+ No. 1B—Length 18 inches, Weight Each 6 lbs. . . $6.40 5.50
+ No. 2B—Length 20 inches, Weight Each 11 lbs. . . 9.35 8.00
No. 02½B—Length 30 inches, Diameter of Rod ½ inch, Weight Each 18 lbs. . . 9.25 6.00
No. 02½D—Length 30 inches, Diameter of Rod ½ inch, Weight Each 18½ lbs. . . 9.25 6.00
+ No. 3B—Length 48 inches, Weight Each 25 lbs. . . 13.70 9.50
+ No. 4B—Length 60 inches, Weight Each 30 lbs. . . 33.45 20.00
+ No. 5B—Length 80 inches, Weight Each 100 lbs. . . 89.50 35.00
+ No. 6B—Length 120 inches, Weight Each 200 lbs. . . 99.80 40.00

Diameter of Rod Wanted Must Invariably be Given, or Orders Cannot be Filled.

One in a Wood Box

Items Marked + Not Carried in Stock, Can Only be Furnished by Shipping Direct from Factory



BURRITT'S DOUBLE SEAMERS

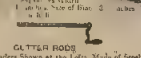
Improved Adjustable Pattern. Have Three inches and Malleable Handles. Will Double Seam Light Gauge, can be used together Steel For Paper.

When Shipped from Stock Ordered for Use.

Per Set, 2 Parts

No. BRDSC—With Gauge, to allow Any Desired Width of Seam, Length of all Six inches, Width 3 inches, Weight per Set 10 lbs. . . $23.00

No. BRDSA—Each Width Gauge as Above, Length 12½ inch Tongs, same Width as Above. Length over all 18½ inches Width of Jaw 3 inches Weight per Set 10 lbs. . . $25.00



GUTTER RODS

For Gutter Beaders Shown at the Left. Made of Steel.

Each

+ No. 3R—Length 18 inches Diameter ¾ to ½ Inch, Average Weight Each 1½ lbs. . . $0.70 1.75
+ No. 3A—Length 20 inches, Diameter ¾ to ½ Inch, Average Weight Each 1¾ lbs. . . 1.80 2.00
No. 02½—Length 30 inches, Diameter ½ inch, Weight Each 4 lbs. . . 4.00 3.00
+ No. 02½A—Length 30 inches, Diameter ½ inch Weight Each 4½ lbs. . . 4.00 3.00
+ No. 5R—Length 48 inches, Diameter ¾ to ½ Inch, Average Weight Each 5 lbs. . . 5.00 4.50
+ No. 5AA—Length 60 inches, Diameter ¾ to 1 inch, Average Weight Each 18 lbs. . . 18.00 8.00
+ No. 6R—Length 96 inches, Diameter ¾ to 1 inch, Average Weight Each 20 lbs. . . 24.00 16.00
+ No. 6T—Length 120 inches, Diameter ¾ to 1 Inch Average Weight Each 25 lbs. . . 30.00 20.00

Diameter of Rod Wanted Must Invariably be Given, or Orders Cannot be Filled

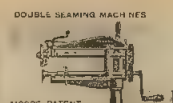
One in a Wood Box

Items Marked + Not Carried in Stock, Can Only be Furnished by Shipping Direct from Factory

TINNERS TOOLS.

PECK, STOW & WILCOX

DOUBLE SEAMING MACHINES



MOORE PATENT WITH STAND

The Essential Advantages Adjusted to Any Width Seam Up to 20 Gauge. The Only Machine that has Shoulder Seaming Cutter Free.

Each

+ No. 1—Heavy Model, Length 18 inches, Diameter of Face 4½ Inches, Weight Each 50 lbs. . . $35.00 23.00
No. 0—For Common Work: Length 9 inches, Diameter of Face 3 inches, Weight Each 45 lbs. . . 32.50 19.00
+ No. 2—For Coffee Pots: Length 14 inches, Diameter of Face 4½ inches, Weight Each 50 lbs. . . 37.00 20.00

One in a Wood Box

+ EXTRA PARTS

Each

Faces, Width Each 2 in. . . $6.36 2.50
Stands, Weight Each 15 lbs. . . 1.70 1.25

NOTE—This is the Best Size for the Average Shop, as will Take Wash Boilers and all Kinds of Shallow Vessels.

TIN FOLDING MACHINES

+ ADJUSTABLE BAR FOLDERS

STOW'S PATENT

With Turn Locks from 14 to 24 inch Wide, Nos. 152 and 154 are Adapted to Metals up to 22 Gauge. No. 352 + 1 Turn Locks up to 20 Gauge Metals.

The Gauge is Moved by a Hand Wheel on the Center and Fastened by a Set Screw at Each End of Bender. The Movement of the Gauge is Instantaneous, it is Adjustable as Fractions of Inches.

Each

+ No. 152—Length 20 Inches, Weight 150 lbs. . . $46.00 27.00
+ No. 154—Length 32 inches, Weight 185 lbs. . . 60.00 37.00
No. 352—Turn Heavy, Length 22 inches, Weight 350 lbs. . . 300.00 125.00

One in a Wood Box

P. S. & W. CO.'S NEW BAR FOLDERS

With Turn Locks from 14 to 24 inch Wider Adapted to Metals up to 22 Gauge. The Method of Gauge Raises and Lowers the Wing is Operated by a Rack and Pinion. The Gauge is Operated by a Drop Lever and its Movement is Instantaneous. It is Adjustable at Fractions of Inches. The Folding Bar is Adjusted by a Socket Wrench.

Each

+ No. 356—Length 20 inches, Weight Each 60 lbs. . . $34.00 20.00
+ No. 358—Length 32 inches, Weight Each 70 lbs. . . 72.00 40.00

One in a Wood Box

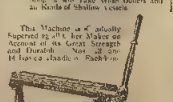
+ WITH SPRING ATTACHMENT

To Relieve Strain in Continuous Work.

Each

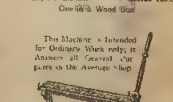
+ No. 358½—Length 32 inches, Weight Each 80 lbs. . . $96.00 57.00
+ No. 554—Length 50 inches, Weight Each 175 lbs. . . 82.50 48.00

SHEET IRON FOLDERS



This Machine is Especially Supported on Flat Iron Wakes on Account of its Great Strength and Durability. Now Made in 14 Inch and 24 Inch Sizes. Each Size

The Machine will Turn Locks as to Length of Seam for Any Purpose a Round Rod as Furnished and is Placed Into the Groove to put into the Machine, Which Will Form the Lock. Turns as Right Hand or Left Hand. Length of Lock Can be Changed by Removing the Stop Screw and Placing It in the Hole to Be Finished.



This Machine is Intended for Ordinary Work only, it Answers all General Purposes in the Average Shop

CHAMP CH

Cause is Adjustable to Form Locks from ¼ to ¾ inch Wide, Steel Strips are Furnished to Use Under the Plate for Turning Locks Wider Than Plate

Each

No. 24—Length 33 inches, Adapted to Metals up to 24 Gauge, Weight Each 75 lbs. . . $24 00 14 00
+ No. 13—Length 48 inches, Adapted to Metals up to 24 Gauge, Weight Each 90 lbs. . . 28.00 16.00
+ No. 14—Length 60 inches, Adapted to Metals up to 22 Gauge, Weight Each 200 lbs. . . 47.50 32.00

One in a Wood Box

WR GHT IMPROVED

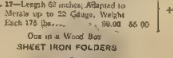
Cause is Adjustable to Form Locks to Any ¼ and ¾ inch Wide, Steel Strips are Furnished to Use Under the Plate for Turning Locks Wider Than Plate

Each

No. 22—Length 30 inches, Adapted to Metals up to 24 Gauge, Weight Each 75 lbs. . . $28 00 14 00
+ No. 17—Length 60 inches, Adapted to Metals up to 24 Gauge, Weight Each 175 lbs. . . 60.00 35.00

One in a Wood Box

SHEET IRON FOLDERS



STOW'S IMPROVED

These Machines can Only be Used in Turning Flat Stock

Loop Bottom, Will Turn Locks from ¼ to ¾ inch Wide the Gauge is Moved by Sliding Clamps and is Always on a Line Parallel with the Edge of the Folding Plate.

Each

No. 12—Length 30 inches, Adapted to Metals up to 26 Gauge, Weight Each 60 lbs. . . $18.00 10.00
+ No. 15—Length 42 inches, Adapted to Metals up to 26 Gauge, Weight Each 70 lbs. . . 32.00 18.00
+ No. 35—Length 60 inches, Adapted to Metals up to 24 Gauge, Weight Each 100 lbs. . . 45.00 25.00

One in a Wood Box

Items Marked + Not Carried in Stock, Can Only be Furnished by Shipping Direct from Factory

"DIAMOND EDGE IS A QUALITY PLEDGE"

TINNERS TOOLS

PECK, STOW & WILCOX

GROOVING MACHINES

With Square Supporting Bar. The Work is Always in Sight. Scale is to be Inserted & they can be Inside or Outside of Opening, may be Used on all Vessels not Less than 2 inches in Diameter. Adapted to Metal not Heavier than 22 Gauge.

IMPROVED
With Three Grooving and One Flattening Rolls

	Each	
+ No. 230—Length 30 inches. Size of Grooving Rolls ⅛, ¼ and ⅜ inch, Weight Each 95 lbs.	$85.70	13 50
No. 230—Length 30 inches. Size of Grooving Rolls ⅛, ¼ and ⅜ inch, Weight Each 110 lbs.	94.20	15.00

One in a Wood Box

NOTE—When the Rack is Thrown Back or the Supporting Grooving Rollers Lifted from the Lower Bar and cap Easily be Released to Change the Rolls.

+ IMPROVED
With Following Roll

The Following Roll Arbor (A Patent Attachment) is for Flattening the Seams, the Same is Grooved and Fastens in one Operation, with Three Grooving and One Flattening Rolls.

	Each	
+ No. 230—Length 30 inches. Size of Grooving Rolls ⅛, ¼ and ⅜ inch, will Groove Work up to 30 inches. Weight Each 102 lbs.	$92.30	15 00
+ No. 230—Length 30 inches. Size of Grooving Rolls ⅛, ¼ and ⅜ inch, will Groove Work up to 30 inches. Weight Each 120 lbs.	81.40	13 50

One in a Wood Box

+ STOW'S ENCASED GROOVERS

With Rotary Standard for Light Work, Adapted to Locking Seams on Metals not Heavier than 24 Gauge. Complete with Three Grooving Rolls. Sizes ⅛, ¼ and ⅜ inch

	Each	
+ No. 1—Length 26 inches. Weight 75 lbs.	$65.10	11 50
+ No. 2—Length 17 inches. Weight 64 lbs.	56.80	11 00

One in a Wood Box

+ EXTRA PARTS FOR ABOVE

	Each	
Standards	$1 30	75
Rollers (⅛, ¼ or ⅜ inch)	1.30	75
Groover Ratchet with Brass Mushing	4.70	2 50
Groover Ratchet, with Brass Mushings	5.00	3 00
Groover Pinion	90	50

Loose

PATENT BRASS MOUNTED GROOVERS

With Steel Bar and Malleable Horn. Adapted to Locking Seams on Metals up to 24 Gauge. Complete with Three Grooving Rolls Sizes ⅛, ¼ and ⅜ inch

	Each	
+ No. 00—Length 26 inches. Weight 58 lbs.	$54.30	13.50
+ No. 0—Length 17 inches. Weight 50 lbs.	10.20	11 00

One in a Wood Box

+ EXTRA PARTS FOR ABOVE

	Each	
+ Standards	$1.30	75
+ Rollers (⅛, ¼ or ⅜ inch)	1.30	75
+ Groover Ratchet with Brass Mushings	3.00	3 25
+ Groover Ratchet, without Brass Mushings	4 10	3 5

COLUMBIAN

Saves One Half of the Time of the Operator in Putting Loosely Together Form Both for Crease and Bend for Uniting the Two Sections

	Each	
No. CEES—Machine with Standard; Weight Each 25 lbs.	$20.80	10 50

One in a Wood Box

	Per Pair	
+ Extra Rolls for Forces. Weight per Pair 1 lb.	$4.50	2 50

ELBOW EDGING MACHINES

STOVE PIPE CRIMPERS AND BEADERS

P & W

Two Collars are Furnished to Substitute for Beading Rolls when Crimping Only. In no be Dones Adapted to Metals up to 22 Gauge.

	Each	
No. 7—With Standard, Spiral Rolls Weight 45 lbs.	$30.40	
+ No. 97—With Standard, Straight Rolls, Weight 45 lbs.	29.40	
+ No. 8—With Foot Lever; Spiral Rolls Weight 55 lbs.	32.00	

One in a Wood Box

PACKHAM
Adapted to Metals up to 22 Gauge

	Each	
No. PC—With Standard; Spiral Beading and Crimping Rolls, Weight Each 37 lbs.	$13.50	

One in a Wood Box

P & W

Not Back Geared. For No. 24 Iron and Lighter. Direct Acting for Speed and especially Adapted for Larger Pipe and Stove Pipe.

	Each	
No. 527—With Standard; Spiral Beading and Crimping Rolls, Weight 48 lbs.	$21 00	

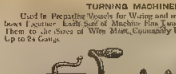
Items Marked + Not Carried in Stock; Can Only be Furnished by Shipping Direct from Factory, Southington, Conn.

TINNERS TOOLS

PECK, STOW & WILCOX

TURNING MACHINES

Used in Preparing Vessels for Wiring and in Putting Stove Pipe Elbows Together. Each Set of Machine Has Two Sets of Faces, Adapting Them to the Sizes of Wire Most Commonly Used, Adapted to Metals up to 24 Gauge



Small

Large

STOW'S COLUMBIAN

	Each	
No. CSTS—Small With Standard. Weight Each 40 lbs.	$18.60	
No. CSTS—Small, Without Standard. Weight Each 30 lbs.	16 70	
No. CLTS—Large, With Standard. Weight Each 50 lbs.	16 60	
No. CLT—Large, Without Standard. Weight Each 40 lbs.	17 10	
+ Extra Faces, for Small or Large Machines	3.60	

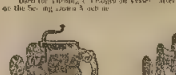
STOW'S ENCASED

With Adjustable Faces and Interchangeable Parts; Gearings Are Fully Protected.

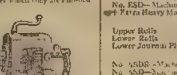
	Each	
No. ESTS—Small, With Standard. Wt. Each 30 lbs.	$21.40	
No. ENT—Small, Without Standard. Weight Each 20 lbs.	18.80	
No. ELTS—Large, With Standard. Weight Each 50 lbs.	22.00	
No. ELT—Large, Without Standard. Weight Each 40 lbs.	22.80	
+ Extra Faces for Small or Large Machines	3.80	

BURRING MACHINES

Used for Turning the Edges on Vessels after which they are Finished on the Seaming Machine



No. CSB



No. ESB

STOW'S COLUMBIAN

Solid Frame. Faces Pass Over Seams. Without Stranding

	Each	
No. CSBS—Small, With Standard. Weight 30 lbs.	$45 50	
No. CSB—Small, Without Standard. Weight 20 lbs.	41 50	
No. CLBS—Large, With Standard. Weight 50 lbs.	37 15	
No. CLB—Large, Without Standard. Weight 40 lbs.	34.50	
+ Upper Faces, for Small Machine. Weight 2 lbs.	4.00	
+ Upper Faces, for Large Machine. Weight 3 lbs.	5.00	

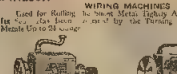
STOW'S ENCASED

Adjustable Bases and Interchangeable Parts; Gearings Are Fully Protected. Complete With Extra Upper Faces.

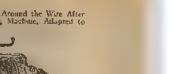
	Each	
No. ESBS—Small, With Standard. Weight 30 lbs.	$30.00	
No. ESB—Small, Without Standard. Wt. 20 lbs.	26.70	
No. ELBS—Large, With Standard. Wt. 50 lbs.	38.00	
No. ELB—Large, Without Standard. Wt. 40 lbs.	37.00	
+ Upper Faces, for Small Machine. Weight 2 lbs.	4.80	
+ Upper Faces, for Large Machine. Wt. 3 lbs.	5.60	

WIRING MACHINES

Used for Rolling the Stock Metal Tightly Around the Wire After the Same has been Turned by the Turning Machine, Adapted to Metals Up to 24 Gauge



No. CW



No. PW

STOW'S COLUMBIAN

Solid Frame. Interchangeable Parts. Faces Pass Over Seams Without Stranding

	Each	
No. CWS—Machine, With Stand. Weight 35 lbs.	$27 50	
No. CW—Machine, Without Stand. Weight 25 lbs.	25 00	
+ Upper or Lower Roll Wire. Weight Each 2 lbs.	4.50	

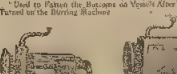
STOW'S ENCASED

Adjustable Bases and Interchangeable Parts; Gearings are Fully Protected

	Each	
No. EWS—Machine, With Standard. Wt. 30 lbs.	$30.00	
No. EW—Machine, Without Standard. Wt. 20 lbs.	26.50	
+ Upper or Lower Roll Wire. Weight Each 2 lbs.	4.50	

SETTING DOWN MACHINES

Used to Flatten the Burrs on Vessels After the Edges Have Been Turned in the Burring Machine



No. 2

No. 1 AND

STOW'S ENCASED

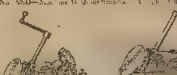
	Each	
No. ESDE—Machine (No. 1 and No. 2). Wt. 60 lbs.	$16.00	
No. ESD—Machine, Without Stands. Wt. 40 lbs.	14.20	
+ Extra Heavy Machine, With Standard. Wt. Each 23 lbs.	4.50	

EXTRA PARTS

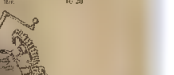
	Each
Upper Rolls	$5 25
Lower Rolls	6 00
Lower Journal Pieces	60

ANGLE SETS

	Per Set
No. ASDS—Machine, With Stands. Wt. 60 lbs.	$17 00
No. ASD—Machine, Without Stands. Wt. 40 lbs.	16 20



No. AS



No. AD

IMPROVED

	Each	
For No. 24 Iron and Lighter. + No. 60—Setting Down Machine with Standard. Weight 41 lbs.	$24.32	

HEAVY

Back Geared 2 to 1. For No. 18 Iron and Lighter

	Each	
+ No. 27—Heavy Setting Down Machine with Standard. Weight 105 lbs.	$35.60	

One in a Wood Box

Items Marked + Not Carried in Stock; Can Only be Furnished by Shipping Direct from Factory, Southington, Conn.

TINNERS TOOLS

PECK, STOW & WILCOX SQUARING SHEARS

Also Adapted for Cutting Leather Cloth, Paper, Rubber etc.

MULLER ACME

With Top and Side Extension Tables Fitted with Front and Back Gauges for Squaring, Stripping and Cutting at any Desired Angle Without First Marking the Sheet

	Each
+ No. 725—20-Inch Blades with Cut 18 Gauge Iron; Weight Each 300 lbs	$70 00
+ No. 730—31 Inch Blades with Cut 18 Gauge Iron; Weight Each 425 lbs	80 00
+ No. 731—31 Inch Blades, with Cut 4 Gauge Iron; Weight Each 600 lbs	120 00
+ No. 736—36 Inch Blades with Cut 18 Gauge Iron; Weight Each 575 lbs	125 00
+ No. 740—42 Inch Blades with Cut 18 Gauge Iron; Weight Each 800 lbs	210 00

+ EXTRA BLADES

Nos.	Length of Blades	Per Pair
725B	20 Inches	$17 00
730B	31 Inches	16 50
736B	36 Inches	20 50
740B	42 Inches	30 00

MULLER ACME

Fitted with Front and Back Gauges for Squaring Stripping and Cutting at any Desired Angle without First Marking the Sheet

	Each
+ No. 0 — 22 inch Blade with Cut 18 Wire Gauge Iron	$94 00
+ No. 1 — 31 inch Blades with Cut 18 Wire Gauge Iron; Weight Each 425 lbs	95 00
+ No. 2 — 31 inch Blades with Cut 18 Gauge Iron; Weight Each 475 lbs	99 00
+ No. 3 — 42 inch Blades with Cut 18 Gauge Iron; Weight Each 575 lbs	125 00
+ No. 4 — 42 inch Blades with Cut 4 Gauge Iron; Weight Each 800 lbs	205 00
+ No. 5 — 42 inch Blades with Cut 18 Gauge Iron; Weight Each 800 lbs	264 00

+ EXTRA BLADES

Nos.	Length of Blades	Per Pair
0B	22 Inches	$14.50
1B	31 Inches	19.80
2B	31 Inches	19.20
3B	42 Inches	21.00
4B	42 Inches	30.00
5B	42 Inches	61.00

CONTINUOUS CUTTING OR GAP SHEARS

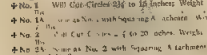
With Hold Down Attachment and Top and Side Extension Tables.

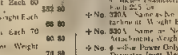
Sheet Metal of any Length can be Cut into Strips from ¾ inch to 48 inches Wide, the Gauges can be Accurately Adjusted. The Hold Down Attachment can be Operated by the Front End of the Lower Sheet Metal 6 inches Wide Above Cutting Edge at any Desired Point. Gauges at the Ends of the Upper Blades are Removed to Cut Metal into Narrow Strips or 20 inches or in Extension Tables by which Increased Length is Obtained for Long Metals.

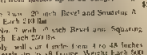
	Each
+ No. 65—With Treadle, 20 Inch Blades, Cut 18 Gauge Iron; Weight Each 1,275 lbs	$300 00
+ No. 80—With Treadle, 37 inch Blade 18 inch Throat with Cut 18 Gauge Iron; Weight Each 1,450 lbs	310 00
+ 185 Pair Power 31 inch Blade 6 inch Throat with Cut 18 Gauge Iron; Weight Each 1,900 lbs	405 00

NOTE—An Extra Charge will be Made for Boxing, when Required. Shipped from Cleveland Ohio.

ROTARY SHEARS







The Machine at Rear and the Machine and Attachment at Left are Recommended and Adapted for Cutting Circles of any Desired Size

+ VAUGHN'S PATENT REVOLVING SQUARE AND CIRCULAR SHEARS

Attachment Saturated at Right

FOR LIGHT MATERIAL
Operated by Hand

	Each
Will Cut any Square or Bevel Under 20 Inches; can be Instantly Changed to Cut Circles Adapted to Metals up to 22 Gauge.	
+ No. 1 Will Cut Circles 2½ to 15 Inches; Weight Each 60 lbs	$32 00
+ No. 1A Same as No. 1 with Squaring Attachment; Weight Each 70 lbs	66 00
+ No. 2 Will Cut Circles 4 to 20 inches; Weight Each 70 lbs	60 00
+ No. 2A Same as No. 2 with Squaring Attachment; Weight Each 80 lbs	78 00

+ EXTRA PARTS

	Per Pair
For all Above Machines	
+ No. 1D—Extra Disks	$3 00
+ No. 1C—Extra Cutters, Weight 1 lb	3 00
+ No. 1CS—Extra Cutters with Shafts	13 50
	Each
+ No. 2BS—Head with Cutters; Wt. Each 25 lbs	$20 00
+ No. 1TP—Tail Piece or Slider; Wt. Each 20 lbs	15 00

FOR HEAVY MATERIAL
Operated by Hand and Power

	Each
+ No. 3 For Foot Hand and Power, will Cut Circles from 11 to 36 inches Diameter, from Metals up to 20 Gauge, Weight Each 250 lbs	$120 00
+ No. 320A Same as No. 3 with Bevel and Squaring Attachment; Weight Each 280 lbs	141 00
+ No. 330A Same as No. 3 with 36 inch Bevel and Squaring Attachment; Weight Each 290 lbs	162 00
+ No. 4 Will be Power Only, will Cut Circles from 4 to 48 Inches Diameter from Metals up to 18 Gauge; Weight Each 500 lbs	210 00

+ EXTRA PARTS

	Per Pair
+ No. 3C—Cutters for No. 3, Weight 18 lbs	$12 50
+ No. 4C—Cutters for No. 4 Weight 24 lbs	24 00
+ No. 4SC—Slotting Cutter for No. 4 to be Used instead of Circle Head; Weight Each 18 lbs	Each $4 00

TINNERS TOOLS

PECK, STOW & WILCOX

CONTINUOUS ROLLING CUTTER SHEARS

In these Shears the Rotary Cutters with Blades here are Operated by a Bevel Lever Engaging in a Rack and Cutting while Moved Back of the Lever, the Rack Reversible and can be Changed to 4 Different Positions the Straight Cutter Blades are Double-Edged, the Motion of the Disc is about 1-3 of a Circumference Practically to Cut out of Sheet Metal without Leaving Cross Marks

	Each
+ No. 31—With Cut 26 Gauge Iron; Length 12½ inches; Weight Each 45 lbs	$7 50
No. 32—With Cut 24 Gauge Iron; Length 9 inches; Weight Each 35 lbs	$12 50 7 00

+ EXTRA PARTS

For Shears Nos.	31 Each	32 Each
+ Bed, Complete (Dovetail and Pivot)	$2 70	$4.00 2 00
+ Disc	2.70	3.60 2 25
+ Power Blades	80	1 00 75
+ Lever Complete	1 20	1 00 1 25
+ Disc Rest, Complete	1 60	1 00 1 25
+ Blade Clamp Bolts	30	30 30

Loose

P. S. & W. COMBINED SHEARS AND PUNCHES

This Machine is for Both Cutting and Punching Metal will Cut ¼ inch Iron, and 3/16 and 5/16 inch Punch Larger Ears

	Each
No. 1—1½ inch Cut will Punch ¼ inch Iron and to the Center of Machine 3 inch Cut will Punch ¼ inch Iron and to the Center of Machine 5 inch Cut will Punch ¼ inch Iron and to the Center of Machine 8 inch Cut will Punch ¼ inch Iron and to the Center of Machine 12 inch Cut will Punch ¼ inch Iron and to the Center of Machine 18 inch Cut will Punch ¼ inch Iron and to the Center of Machine 24 inch Cut will Punch ¼ inch Iron and to the Center of Machine

SOLDERING FURNACES

GASOLINE

*NORLEIGH DIAMOND

LOW DOWN GASOLINE FURNACES

Heavy Galvanized Steel Tanks, Seamless Drawn Around Bottom, which is Strong, Reinforced and Protected at Handle from Being Never Leak Brass Parts with Cork Chuck and Perforated Gloves. Needle Valve Intensely Hot Flame, Free from Smoke, will Quickly Heat Heavy Irons and a Pot of Metal at the Same Time. The Vapo Burner May be Removed and the Open Flame Used as a Torch for Brazing Melting Out Lead Joints, Thawing Frozen Pipe, etc.

No. NDF5—Capacity 5 pints. Weight 12 pounds. Diameter of Base 8½ inches. Height from Chuck to Top 15 inches. Each $9 00

No. NDF7—Capacity 7 pints. Height 12½ inches. Diameter of Base 10 inches. Weight Each 16½ lbs. $13 00

One in a Wood Box

CLAYTON AND LAMBERT

Heavy Galvanized Iron Tank and Round Top Section. Brass Fittings. Flames are Protected by a Galvanized Hood with Cover. A Genuine Brass Pump is Used so Heat a Pot of Metal and a Pot of Solder or Copper at the same time. Solid Brass, Chlorided and Nickeled Iron.

Each

No. 74—Capacity Seven Pints. Weight each 18 lbs. $13 50

No. 72 Capacity Ten Pints. Weight each 18 lbs. $10 00

One in a Wood Box

GEM

The Heat is Distributed the Full Length of Coppers by a 4 inch Burner Case is Constructed With Iron. Smoke or Odor, will Take all Sizes of Coppers. Copper Rest Place as but 5 inches from Workmans Bench.

Each

No. GEM—Capacity 10 Qts. Galvanized Steel Reservoir with Regulating Valve 21x7 inch Sheet Steel Base, Black Enameled Improved Slotted Cast Iron Burner, Height Over All 34½ inches. Weight Each 20 lbs. $14.00

One in a Crate

GAS

Consumes About 8 Feet of Gas per Hour. Cast Iron Legs and Burners, Polished Steel Top. Brass Legs and Burners are Durable and are Operated with Soap Cock and Are suitable Air Mixers. Very Economical.

Each

No. GT2—One Burner. Length 11 inches. Width 5 inches. Height 7 inches. Weight Each 8 lbs. $6.00

No. GT4—Two Burners. Length 11 inches. Width 8½ inches. Height 7 inches. Weight Each 12 lbs. 8.50

One in a Box.

FIRE POTS

GASOLINE

*NORLEIGH DIAMOND

No. NDFC

No. NDFB

WITH PUMP

Each

No. NDFC Capacity 3 Gallon Heavy Galvanized Steel Tank, Cast Iron Mixer Pot and Combination Solid or Hollow Metal, or said Soldering Irons. Mixer Leak Pump, with Needle Valve Brass Jacket. Shut Off Flame. Extra Heavy Pipe Coils, Height 20 inches, Diameter of Base 8½ inches. Weight Each 25 lbs. $8.50

WITH BULB

Each

No. NDFB—Capacity 3 Gallon, Heavy Galvanized Steel Tank, Removable Hood, Brass Nuts, Pilot and Fittings, Extra Heavy Pipe Coils. Height 27 inches. Diameter of Base 8½ inches. Has a Good Generating Furnace and will Give Good Satisfaction. Weight each Burner 25 lbs. $7 50

One in a Wood Box

Each

No. 13—Capacity One Gallon, Heavy Galvanized Iron Tank Riveted Galvanized Cast Iron Top Plate and Bottom Rustproof Brass Nut Plug and Fittings. Cast Steel Burner, Extra Heavy Pipe Coils, Needle Point Valves fitted with Stuffing Boxes are always Tight and Give the user Perfect Control of the Fire. Weight each 13½ lbs. $7 00

One in a Wood Box

TINNERS STOVES

For Charcoal

The Fire Pot is Constructed so that the Ashes Fall into a Pan Beneath the Coal Keeping the Fire Clear and the Draft Good, Light and Easy to Carry

Each

No. FP—Sheet Iron Body, Japanned, Cast Iron Base, Top, Legs and Door, Heavy Wrought Iron Bail. Height 15½ inches; Diameter 8 inches; Weight per Dozen 180 lbs. $6 00

Loose

GASOLINE BLOW TORCHES

*NORLEIGH DIAMOND

Fitted with Patented Air Compression Pump and Needle Point Valve, with Shoulder, Plunger Screws Down into Valve Seat out of the Way, Shut Off a Positive and Accidental Expansion is Impossible. Made with Reinforced Double Top, Extra Heavy Base with Brass Bottom, Extra Strong Throughout

For Light Brazing or Wires up to ¼ Inch in Diameter Expanding Rings that are Shrunken

Each

No. NDB1 Capacity One Quart. Polished Seamless Brass Tank and Handle. Bronze Metal Burner, Air Pump in Tank, Needle Point Valve, with Shoulder. Height Over All 8 inches. Diameter of Base 3½ inches. Weight Each 4 lbs. $5 50

One in a Wood Box

Fitted with Flat Burner, with Swivel, Flame can be Turned in any Direction Desired.

Each

No. NDPL—Capacity One Quart. Polished Seamless Brass Tank and Handle. Bronze Metal Burner, Air Pump in Tank, Needle Point Valve, Height Over All 8 inches. Diameter of Base 3½ inches. Weight Each 4 lbs. $5 50

One in a Wood Box

Fitted with Adjustable Solder Iron Holder, which can be Removed or Turned Aside when not in Use.

Each

No. NDIH—Capacity One Quart. Polished Seamless Brass Tank and Handle. Bronze Metal Burner, Air Pump in Tank. Needle Point Valve, Height Over All 11 inches. Diameter of Base 3½ inches. Weight Each 4½ lbs. $5 00

One in a Wood Box

Same as No. NDIH Torch, but without Solder Iron Holder

Each

No. NDH—Capacity One Quart. Polished Seamless Brass Tank and Handle. Bronze Metal Burner, Pump in Tank. Needle Point Valve, Height Over All 9¾ inches. Diameter of Base 3½ inches. Price Each 4½ lbs. $7 50

One in a Wood Box

Fitted with Adjustable Solder Iron Holder, which can be Removed or Turned Aside when not in Use.

Each

No. NDIH Capacity One Quart. Polished Seamless Brass Tank and Handle. Bronze Metal Burner, Air Pump in Handle. Needle Point Valve. Height Over All 9 inches. Weight Each 4½ lbs. $7 00

One in a Wood Box

Same as No. NDIH Torch without Solder Iron Holder, Polished Seamless Brass Tank and Handle. Bronze Metal Burner, Air Pump in Handle.

Each

No. NDH—Capacity Half Quart. Height Over All 8 inches. Diameter of Base 4½ inches. Weight Each 4½ lbs. $6 50

No. NDL—Capacity One Quart. Height Over All 9 inches. Diameter of Base 4½ inches. Weight each 4½ lbs. 6.50

One in a Wood Box

FLAT AUTO TORCHES

Largely Used by Automobilists and Electricians in Narrow Places. Bottom Support Prevents Tipping.

Each

No. NDA—Capacity One Pint. Polished Seamless Brass Tank and Handle. Bronze Metal Burner, Air Pump in Handle. Needle Point Valve. Height Over All 8 inches. Size of Body 6x3½ inches. Weight, Each 3 lbs. $4.50

One in a Wood Box.

Fitted with Adjustable Solder Iron Holder, which can be removed or turned aside when not in use. Polished, seamless Brass Tank and Holder. Bronze Metal Burner. Air Pump in Handle.

Each

No. NDB Capacity One Pint. Height over all 8 ins. Depth and Inside Diameter, 3½ ins. Each 4½ lbs. $5 50

No. NDP—Capacity One Quart. Height over all 9 ins. Diameter of Base 4½ ins. Wt. Each 6 lbs. 6 00

One in a Wood Box

KEROSENE TORCH

This Torch is so Constructed that the Cup can be removed from the Generator with very little trouble.

Each

No. NDK—Capacity One Quart. Polished Seamless Brass Tank, Bronze Metal Burner, Air Pump in Handle. Height over all 10 inches. Diameter of Base 4½ ins. Weight Each 6 lbs. $6 00

One in a Wood Box

"DIAMOND EDGE IS A QUALITY PLEDGE"

GASOLINE BLOW TORCHES

CLAYTON & LAMBERT

No. 22—Capacity One Quart, Polished Seamless Brass Tank and Handle, Soldered Concave Bottom Cast Brass Burner Air Pump in Tank, Cast Iron Drip Cup and Filler, Solder Iron Holder on Burner. Height Over All, 11 inches; Diameter 3¾ inches. Weight Each 5½ lbs. $0 00
One in a Box — Each

No. 18—Capacity One Quart; Polished Seamless Brass Tank, Soldered Concave Bottom Cast Burner and Pump in Tank, Cast Iron Drip Cup and Filler. Height Over All 9½ inches. Diameter 6¾ inches. Weight Each 4 lbs.
Dozen in a Box — Each $7 50

No. 37—Capacity One Pint, Polished Seamless Tank and Handle, Soldered Concave Bottom, Cast Brass Burner, Air Pump in Tank, Cast Iron Drip Cup and Filler. Weight 11 lbs.
Each $6 15

No. 66—Capacity One Quart, Polished Seamless Tank; Solid Brass Burner, Air Pump in Tank, Cast Iron Drip Cup and Filler. Weight 4½ lbs.
Each $4 60

No. 86—Capacity One Pint, Polished Seamless Tank; Soldered Concave Bottom, Brass Burner, Air Pump in Tank, Cast Iron Drip Cup and Filler. Weight 2½ lbs.
Each $3 60
One in a Box

SOLDERING COPPERS

REGULAR PATTERN POINTED WITHOUT WOOD HANDLES							
Nos.	1	1½	2	3	4	5	6
Weight Pair, Lbs.	1	1 3	2 3	3	4	5	6
Length Over All, In.	11	11 3	12	11	14	14½	16¾
Size Used, ins.	½	⅝	¾	⅞	1	1⅛	1¼
Per Lb.	$0 80	70	60	55	55	60	60

Loose

Per Dozen

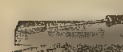
No. S—Soldering Copper Handles, Medium Size. Plain Round Wire Around. Weight per Dozen 13 lbs. $1 00

SMALL SOLDERING COPPERS

Hatpoint, or Riveters use. Model Makers use. Black Enamel Iron Handle. Steel Points.

Nos.	035	036	050	060	080
Weight Each, Lbs.	1	1	1	1	1
Length over all, ins.	6	6	6½	7	8
Per Dozen	$3 50	4 00	7 00	8 00	9 00

Loose



SOLDERING SETS

Per Iron Sets

No. XX—Set Consists One 035 inch Soldering Copper with Screw Hardwood Handle. Box of Resin. Stick of Solder and Piece of Tin. Weight per Dozen Sets 30 lbs. $3 00
One Set in a Box

SOLDERING SALTS

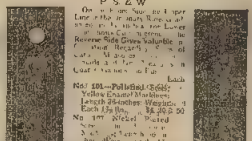
WALPOLE

Flux in Solution, Tin, Galvanized Iron, Copper Wires and other Metals, and Flux in Paste Solder Form.

No. 1—2 oz. Bottles — Per Dozen $3 50
No. 2—8 oz. Jars — 6 50

TINNERS STEEL RULES

P. S. & W.



One inch Iron Rule of Superior Temper with Beveled Edges and Graduations Stamped on Both Sides. Reverse Side Gives Value of Each Graduation in Decimals. Weight per Dozen 2 lbs. Each Rule Packed in Separate Box.

Each

No. 101—Polished Steel, Yellow Enamel Markings. Length 24 inches. Weight Each 1 lb. 6 ozs. $4 20 0 50

No. 107—Nickel Plated. Same Graduations on Both Sides. Weight Each 1 lb. 4 ozs. $4 80 0 50

Each Rule packed in a Separate Box

WIRE GAUGES

P. S. & W.

ENGLISH STANDARD

Round Shape. Gauge Steel for Iron and Copper Wire and Sheet Metals.

Per Dozen

No. 21—Large Diameter 3 inches. Number Gauges from 0 to 36. Weight per Dozen Sets 3 lbs. $22 50 24 00

No. 22—Small Diameter 2 inches. Number Gauges from 0 to 36. Weight per Dozen 1 lb. 6 ozs. $3 00 15 00

Flat Sheet in a Box

BABBITT METAL

Time Economy in the Use of Babbitt Metal is Determined by the Service Given Rather than the Cost per Pound. Service is Determined by the Length of Time a Bearing will Run and to Wear without Destruction of the Journal. Quality is Dependent upon the Proper Percentages of Copper, Tin and Antimony Used. It is therefore Important to Select only High Grade Metal.

Our Babbitts are Made to High Standard Formulas, the Efficiency of which has been Demonstrated by Long Experience

★NORSHAP

Formula Contains a High Percentage of Copper, Tin and Antimony, Assures Use for High Speed Bearings and Heavy Pressures. Exceptionally Serviceable and Never Fails to Give Entire Satisfaction.

Per Pound

★Norshap—Ingot Bars, Weight about 4½ lbs. Each; About 54 lbs. to a Case. $0 46

★LONGWEAR

A Heavy Bearing Metal of Long Wearing Qualities, the Alloy Produces a Smooth Pouring Metal For Mill and Railway Service.

Per Pound

★Longwear—Ingot Bars, Weight about 4 lbs. Each; about 54 to 56 lbs. to a Case. $0 36

Gross Weight per Case About 60 lbs.

★XCD

Made on a Tin Base Formula Specially Suited for and Gives Excellent Service on Bearings of Moderate Speeds but Recommended for High Speeds or Extreme Pressures.

Per Pound

XCD—Five Piece Bars, Weight about 8 lbs. Each; about 160 to 168 lbs. to a Case. $0 39

A Well Known Standard Babbitt Metal, Adapted to all Bearings of Medium Speeds and Pressures and of a Serviceable Percentage of Tin and Antimony.

Per Pound

No. 1—Five Piece Bars, Weight about 8 lbs. Each; about 160 to 168 lbs. to a Case. $0 28
Gross Weight per Case About 180 lbs.

A Low Grade Babbitt Metal and Slow Speed and Light Pressures. Made to Standard Formula for this Grade.

Per Pound

No. 4—Five Piece Bars, Weigh about 8½ lbs. Each; about 160 to 168 lbs. to a Case. $0 18

SOLDER

Per Pound

No. 8080—★SHAPLEIGH'S BOSS. Strictly Half and Half Plumbers' Solder. Every Stick Guaranteed to Form 50 Parts Tin and 50 Parts Lead. Adapted to the Highest Class of Work. Will Not Burn Easily and Is Easy to Wipe. New Metal and Non-Sagging. $0 70

No. 8282—Known as Half and Half. We Specify and the Analysis Guaranteed to Be 50 Parts Tin and 50 Parts Lead. New Metal and Only Selected by Us. No Solder Is Better. 64

No. 8383—Known as Strictly Half and Half. We Specify and the Analysis Guaranteed to Be 50 Parts Tin and 50 Parts Lead and Nothing Else. 62

No. 8080—Commercial or Large Seams and Rough Work. Runs 40 Parts Tin and 60 Parts Lead. Average Weight per Cubical Inch 3 lbs. 56

★HAND BAR SOLDER

A Specialty Prepared for Mechanics and Amateurs

Per Gross

No. H—Round Bars. Diameter about ½ Inch. Length 6 inches. Weight per Gross 45 lbs. $5.00

Loose

WIRE SOLDER

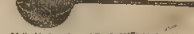
For Electrical and Other Small Work. Solders Same Running.

Per Pound

No. W10—.40 per Cent. Wire, 45 Per Cent. Tin and 55 Per Cent. Lead. Runs Uniform in Size and Composition. Recommended for Use on Medium Speed. $0 78

No. W8—13 Gauge Wire. Runs 40 Parts Tin and 60 Parts Lead. Recommended for High Speed. 68

MELTING LADLES



Malleable Iron, Lipped Bowl. Malleable Iron Handle, Bowl and Handle Cast in One Piece.

Nos.	6	8	10	12
Diameter Bowl, Inches	2¾	3¼	4½	5½
Length Handle, Inches	12	14	16	18
Weight each, lbs.	1	1½	2	2½
Weight Dozen, Lbs.	12	18	24	30
Per Dozen	$3.25	4 50	7 50	9 00

Loose

MELTING POTS

DEEP PATTERN

Cast Iron, with Bail. For any Gasoline Furnace.

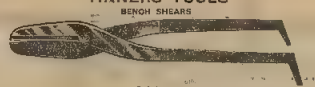
Nos.	MPD	MPS
Diameter, inches.	4¾	5½
Depth, inches.	5¾	6¾
Weight, Lbs.	5	8
Each	$1.30	1 70

Loose

"DIAMOND EDGE IS A QUALITY PLEDGE"

TINNERS TOOLS

BENCH SHEARS



P. S. & W.

Always Furnished Right Hand Cut, that is, the Lower Blade is on the Right Side of Shears

Nos.	PSW0	PSW5	PSW6	PSW7	PSW8	PSW1	PSW9	PSW10
Length Cut, Inches	6	7	8	8½	9⅝	9	10¾	12
Entire Length, Inches	22	27	30	31	34	37	41	44
Will Cut Iron Gauge Nos	22	21	20	19	22	20	18	16
Weight per Pair, Lbs.,	8	9	12	13	18	23	28	38
Per Pair	$2 50	4 00	5 00	6 00	7 00	8 00	12 00	18 00
	6 00	6 50	8 00	10 00	15 00	20 00	28 50	32 00

Loose

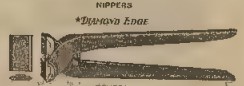
ELBOW BENCH SHEARS

	Per Pair
No. 38—4 Inch Cut, will Cut No. 18 Iron. Weight per Pair 38 lbs.	$8 00
No. 83—Extra Heavy, 6 Inch Cut, will Cut No. 14 Iron. Weight per Pair 83 lbs.	19 50
No. 82—Double Extra Heavy, 7½ Inch Cut, will Cut No. 12 Iron. Weight per Pair 47 lbs.	42 00

Loose

NIPPERS

*DIAMOND EDGE



REVERSIBLE

A Pointed Tool for Cutting Nails, Wire, Muzzle Wire, etc. Will Stand Hard Usage; Tool Steel Jaws are Dovetailed Into Head and are Reversible. Dead Black Forge Finish Handles and Heads. Polished Steel Cutters.

Nos	DE8	DE9	DE10	DE11	DE14
Length, Inches	6	8	10	12	14
Weight per Dozen, Lbs	9	12	24	30	47
Each	$1 40	1 65	1 85	2 10	2 30

Ten in a Box

EXTRA CUTTERS

Nos	DEX8	DEX9	DEX10	DEX12	DEX14
For Nippers, No	DE8	DE8	DE10	DE12	DE14
Weight, per Pair, Ounces,	3	2½	3	4	5
Per Pair	50	60	75	85	1 10

STOVE PIPE MACHINES

LIGHTNING

For closing the Seams or grooving Nested Stove Pipe: Absolutely Noiseless; Simple in Construction and easy to operate. Can be attached to Post, Wall or Bench of any kind. Will take all gauges and sizes of Stove Pipe and also used for closing seams on Furnace Pipe and other Sheet Metal articles. No Hammering or Malleting done. Every Joint a perfect one. To replace plain pipe or lower bar, which is provided with Rabbet to steady pipe, then lower the lever, thus closing the Seams perfectly. Release lever and the Machine is Automatically Set for the next Joint.

	Each
No. L1—Made of Cast Iron; Length 31 inches; Height, inches; Width, 6¾ inches; Weight Crated, 50 lbs.	$25 00

One in a Crate

Items Marked ✣ Not Carried in Stock, Can Only be Furnished By Shipping Direct from Factory

TINNERS TOOLS

PECK, STOW & WILCOX

RAISING HAMMERS

With Hickory Handles

For 4th N ails of Raised Work. Cast Steel, Japanned, Polished Faces.

	Each
✣ No. 4RH—1¼ pounds, 6¾x1¼ inch Head	$1 10
No. 3RH—1½ pounds, 6¾x1½ inch Head	2 20
No. 2RH—1¾ pounds, 7¾x1¾ inch Head	3 30
✣ No. 1RH 2 pounds, 7¾x1¾ inch Head	4 00

Per Dozen

✣ Extra Handles for Raising Hammers: Hickory, Plain Finish	2 00

Loose

BENCH PLATES

Cast Iron Polished, with Socket Holes to Receive All Stakes, Swedges, Formers, etc.

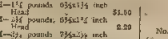
	Each
No. 2—30x8 in., Weight 37 lbs.	$3 80
No. 3—37x8 in.; Weight 50 lbs.	5 00

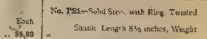
Loose

SCRATCH AWLS

	Per Dozen
No. PS1—Solid Steel, with Ring, Twisted Shank, Length 8½ inches, Weight per Dozen 1 lb.	$2 00

One Dozen in a Box





WIRE CHISELS

For Cutting Wire and Similar Small Work. Made of Steel. Length 5 in.

Width, Inch	⅛	3/16	¼	5/16	⅜
Each	$0 08	09	10	12	14
	06	07	08	09	10

Width, Inches	✣ 1/8	3/16	✣ ¼	5/16	✣ ⅜	✣ ½
Each	$0 15	17	19	20	24	29
	12	14	16	18	20	24

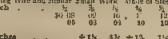
One Dozen in a Box Average Weight Each ½ to 2 oz.

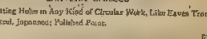
LANTERN CHISELS

For Cutting Holes in Any Kind of Circular Work, Like Eaves Trough etc., Cast Steel, Japanned; Polished Point.

	Each
⅛ inch Wide, 8½ inches Long, Weight Each 7 ozs.	$0 10
1 inch Wide, 6¼ inches Long, Weight Each 6 ozs.	10

Loose





⅛ Size of Holes	Nos. PS0	PS1	PS2	PS3	PS4	PS5	PS6	PS7	PS8

SOLID PUNCHES

Nos	PS0	PS1	PS2	PS3	PS4	PS5	PS6	PS7	PS8
Size in 32nds	6	8	7	6	8	4	3	2	1
Wt. Doz., Lbs	2	1¾	1¾	1½	1	1½	1¼	1	1

Per Dozen

All Sizes: Cast Steel. Japanned 4½ inches Long. $1 50

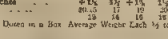
One Dozen in a Box

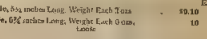
PRICK PUNCHES

Per Dozen

No. PSP—Cast Steel, Japanned, Square Shank, Length 5 inches, Weight per Dozen 1 lb.	$1 50

One Dozen in a Box





HOLLOW PUNCHES

Japanned; Polished Edges

Average Length 5½ inches

Weight per Dozen

Size, Inches	⅛	5/32	3/16	¼	5/16	⅜	7/16	½	9/16	⅝	11/16	¾	13/16	⅞	15/16	1	1 1/16	1 1/8	1 3/16	1 ¼
Weight Each, Lbs	1/16	1/16	1/16	1/16	1/16	1/16	1/16	1/16	1/16	1/16	1/16	1/16	1/16	1/16	1/16	1/16	1/16	1/16	1/16	1/16
Each	$0 35	35	35	40	45	50	55	60	65	70	75	80	85	90	95	1 00	1 05	1 10	1 15	1 20

Loose

Forged Steel

Sizes Vary 1/32 Inch to 7/16 Inches, Inclusive

Wrought Shank

Sizes 1/32 and 2 inches

Size of Holes	Nos. PS00	PS0	PS1	PS2	PS3	PS4	PS5	PS6	PS7	PS8

RIVET SETS AND HEADERS

Best Cast Steel. Case Hardened Finish. Perfectly Tempered.

Nos.	PS00	PS0	PS1	PS2	PS3	PS4	PS5	PS6	PS7	PS8
For Iron Rivets, Lbs	15	6 to 2	8	6	4 to 6	2 to 4	1¾ to 2	1¾	1¾	1¾ to 2
For Cop. Rivets, Nos.	6	6	7	8	9	10 to 11	12	13	14	15
Wt. Each, Ozs	14	12	10	9	7	6	5	4	3½	3
Each	$0 70	70	90	90	80	80	80	80	80	80

Rib Dozen in a Box

HAND GROOVERS

Forged Steel, Natural Finish, Round Shank

Nos	00	0	1	2	3
Grooves, In	⅛	3/16	¼	⅜	½
Wt. Each, Lbs	1½	1½	1¾	1¾	1¾
Each	$0 60	50	60	80	80

Nos.	4	5	✣ 6	✣ 7	✣ 8
Grooves, In	5/16	⅜	7/16	½	9/16
Wt. Each, Lbs	1¾	1¾	1¾	1¾	1¾
Each	80	80	1 00	1 20	1 30

Loose

Items Marked ✣ Not Carried in Stock, Can Only be Furnished by Shipping Direct from Factory

*DIAMOND EDGE IS A QUALITY PLEDGE

TINNERS SNIPS

*DIAMOND EDGE

Blades Made of 100 Point Carbon Steel, Carefully Tempered and Welded to the Inside of the Blades Handles Made of 25 Point Carbon Steel Oxidized Non-Rusting, Handles will not Bend in Use Work Easy and Open Full Width of Cut without Straining the Hand.

STRAIGHT

Nos.	DE33	DE34	DE35	DE36	DE37	DE38
Cut Inches	2	2½	2⅞	3	3½	4
Length Inches	8¼	10	11¾	12¾	13	14½
Weight Pair, Lbs.	1¾	1¾	1¾	2¼	2¾	3¾
Per Pair	$1 20	1 40	1 60	1 80	2 00	2 50

BUFFALO PATTERN

Blades Shaped for Straight or Circular Work

Nos.	DE39	DE40	DE41	DE42
Cut Inches	2½	3	3½	4
Length Inches	1 1¼	12¼	13	14¼
Weight Pair, Lbs.	1¾	2¼	2¾	3¾
Per Pair	$2 00	2 25	2 50	3 50

CIRCULAR

Nos.	DE133	DE131	DE116	DE119	DE115	DE117
Cut Inches	2	2½	2¾	3	3	4
Length Inches	8¼	10	11¾	12¾	13	14½
Weight Pair, Lbs.	1¾	1¾	1¾	2¼	2¾	3¾
Per Pair	$2 00	$ 00	$ 70	$ 00	$ 25	$ 00

One Pair in an Envelope. Two Pairs in a Wood Box

*BRIDGE, STRAIGHT

All Steel, Tempered Blades; Black Japanned Handles

Per Pair

No. B4½—4½ Inch Cut; Length 13 Inches; Weight per Pair 1¾ lbs. $1 70

One Pair in an Envelope; Two Pairs in a Box

PECK, STOW & WILCOX

Forged from Best Quality Norway Iron Steel Laid, Polished Blades; Japanned Bows.

STRAIGHT

Nos.	PSW16	PSW8	PSW9	PSW7	PSW6½
Cut Inches	2½	3	3½	4	4½
Length, Inches	11	12	13½	14½	15½
Weight Pair Lbs.	1	1½	2	2½	3¼
Per Pair,	$1 40	1 60	2 00	2 50	3 00
	2 20	2 50	3 50	4 20	5 00

CIRCULAR

Nos.	PSW12	PSW13	PSW14	PSW15
Cut Inches	2½	3	3½	4
Length, inches	11	12	13½	14½
Weight Pair, Lbs.	1	1½	2	2½
Per Pair,	$2 25	2 50	3 00	3 50
	3 70	4 20	5 00	5 50

TIGER

All Steel Drop Forged, carefully Tempered Blades; Black Japanned Handles.

Per Pair

No. T12—9½ in. Cut Length 12 in., Weight per Pair 1¼ lbs. . $1.50

One Pair in an Envelope.

THE "HAND" OF SNIPS

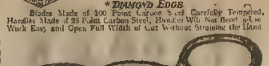
There is Considerable Confusion Regarding the Meaning of Right and Left Hand Snips. Left Hand Means that the Work is on the Left of the Snips in Cutting and the Scraps at the Right. We Show Only Snips with Left Hand Cut, as they are Invariably Used by Right Hand Men, and are Always Sent unless Right Hand Snips are Specially Ordered.

Standard Bench Snips, However, are always Furnished Right Hand, Cut, that is the Lower Blade is on the Right Side of the Shears.

SPECIAL SNIPS

*DIAMOND EDGE

Blades Made of 100 Point Carbon Steel, Carefully Tempered, Handles Made of 25 Point Carbon Steel, Handles Will Not Bend in Use Work Easy and Open Full Width of Cut Without Straining the Hand



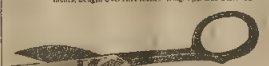
FULL NICKEL PLATED

Adapted to All Kinds of Mechanical Uses, Such as Cutting Tin and Other Light Sheet Metal Leather, Rubber, Packing Rope etc. Very Useful to Mechanics and Automobilists. Convenient for Picnic or Tool Kit Per Pair

No. DE45—For Necks, Plated and Polished Length of Cut 2 inches Long, Is Over All 7 inches Weight Per Dozen 5½ lbs $1 65

Adapted to Same Class of Work as No. DE45, Described Above. Convenient for Carrying in Pocket or Tool Kit Per Pair

No. DE55—Polished Blades, Japanned Handles, Length of Cut 2 inches, Length Over All 7 inches Weight per Doz 6 lbs. $1 60



ELECTRO WORKERS

Especially Designed to Meet the Demands of Electrical Workers. Per Pair

No. DE767—Polished Blades; Japanned Handles Length of Cut 1½ inches, Length Over All 7 inches, Weight per Dozen 32½ lbs. $1.30

No. DE767½—Polished Blades; Japanned Handles Length of Cut 2 inches, Length Over All 7¼ inches, Weight per Dozen 4 lbs. 1.65

MODEL MAKERS AND ELECTRICAL WORKERS Per Pair

No. DE777½—Polished Blades; Japanned Handles; Length of Cut 2 inches, Length Over All 7½ inches; Weight per Dozen 4½ lbs. $1.20

All Above, Half Dozen in a Box.

TINNERS HAND SNIPS

P. S. & W., TROJAN

For Curves and Irregular Shapes in all Cut Sheet Metal, Pasteboard, Mica, Linoleum, Veneering etc. A Fine Thing for Scrolls and Combs Work. Per Pair

No. 79—3 inch Cut, Length Over All 12¾ inches, Forged Steel Japanned Handles, Weight per Pair, 1½ lbs. $4.50

One Pair in a Box

*ALLOUT

A Convenient Snip for Tool Kits. Fitted First by Lock a Regular Shearand will Cut Paper Pasteboard, Tin, Sheet Metals and Heavy Fabrics Equally Well Adapted to Use of Tinners, Plumbers, Electricians and Home Mechanics. Per Dozen Pairs

No. 333—2¾ Inch Cut; Length Over All 10¾ inches; Steel Laid Blades; Highly Finished; Malleable Iron Handles; Black Japanned; Weight per Doz 4 lbs. $3 00

One Pair in a Box

STAR

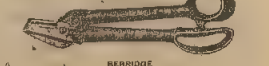
Cast Iron, Ground Blades, Japanned Handles Per Dozen Pairs

No 3—2½ inch Cut, Length Over All 10 inches, Weight per Dozen Pairs 7½ lbs. $5.00

No. 5—3 Inch Cut; Length Over All 12 inches, Weight per Dozen Pairs 9 lbs. 5 50

Half Dozen Pairs in a Box

STOVE PIPE SNIPS



BERRIDGE

For Curling and Crimping Stove Pipe, Adapted for Round or Circular Work Each

No. BR—6 inch Cast Steel Beak. Japanned Iron Handles, Length Over All 16 inches Weight Each 2½ lbs. $5 50

Loose

YALE PADLOCKS

Illustrations Actual Size

No. 893½ 3 inch size, bronze case and shackle, fine wheel finish, with 9 inches of tinned iron curb chain welded, two nickel bronze keys, 11 plated bows, four lever tumblers, 144 changes, weight per dozen 28 pounds, per dozen.. . $93 90 Each **6.50**

One quarter dozen in a box

No. 225 2 inch size, case, cast iron, bower barffed panels, wrought steel, brass plated, shackles steel, brass plated, two flat nickel plated steel keys warded, 6 changes, weight per dozen 4 pounds, per dozen.... .. .. $ 7.95 **5.50**

No. 225½ Same as No. 225, with 9 inches of brass plated steel Triumph chain weight per dozen 4¼ pounds, per dozen.. . . .. 10.35 **7.50**

One half dozen in a box

No. 803F 1½ inch size, case, iron, bower barffed, shackle, bronze buffed, two flat steel nickel plated keys, four pin tumblers, 144 changes, weight per dozen 4 pounds, per dozen.....$17.90 **12.00**

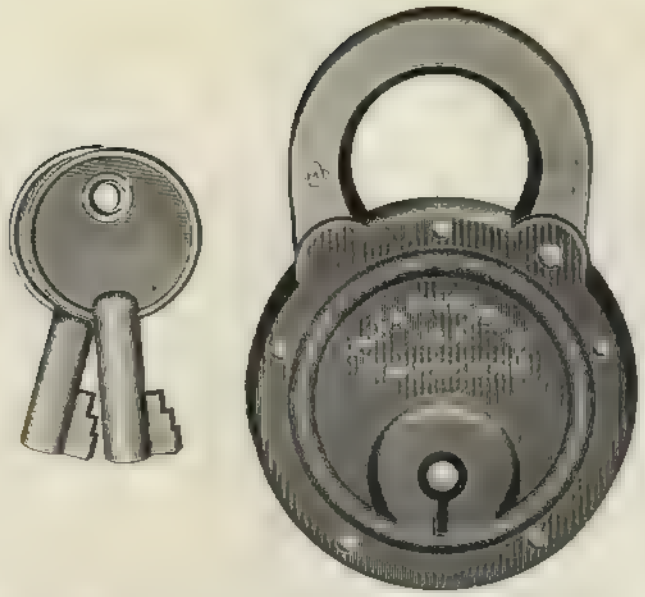
One half dozen in a box

No. 805F 2 inch size, case, iron, bower barffed, shackle, bronze buffed, two flat steel nickel plated keys, four pin tumblers, 144 changes, weight per dozen 7½ pounds, per dozen.....$17.90 **12.50**

No. 805½F Same as No. 805F, with 9 inches of No. 7B bronze sash chain, weight per dozen 8 pounds, per dozen. 20 90 **15.00**

No. 805F, one half; No. 805½F, one quarter dozen in a box

YALE PADLOCKS



No. 9645MJ 2 inch size, wrought steel case, maroon japanned, steel shackle, brass plated, three lever tumblers, two malleable iron keys, nickel plated.
Per dozen $5.20 **4.00**

No. 9645½MJ Same as No. 9645, but with 9 inches of No. 1 SN nickel plated steel sash chain.
Per dozen 7.60 **5.50**

One half dozen in a box

No. 9425B 2 inch size, cast bronze case, face and edges wheel finished, bronze shackle, buffed, two lever tumblers and two wards, two malleable iron keys nickel plated, per dozen ..... $ 9.90 **7.00**

No. 9425½B Same as No 9425, but with 9 inches of 6B bronze sash chain, per dozen..... 12.90 **9.00**

One half dozen in a box

DEFIANCE PADLOCKS

No. 563 1½ inch size seamless steel case, bower barffed, steel shackle nickel plated three lever tumblers, two flat steel nickel plated keys
Per dozen $11.35 **8.00**

No. 563½ Same as No 563, but with 9 inches of No 1SN nickel plated steel sash chain.
Per dozen 13.75 **10.00**

One half dozen in a box

No. 565 2 inch size, seamless steel case, bower barffed, steel shackle, nickel plated, three lever tumblers, two flat steel nickel plated keys.
Per dozen $13.90 **10.00**

No. 565½ Same as No 565, but with 9 inches of No 1SN nickel plated steel sash chain.
Per dozen 16.30 **12.00**

One half dozen in a box

YALE PADLOCKS

Illustrations Actual Size

No. 115 2 inch size, wrought steel case, ivory black, steel shackle, nickel plated, two corrugated steel nickel plated keys, warded, 6 changes, weight per dozen 4 pounds
Per dozen $5 00 **4.00**

One half dozen in a box

No. 326 2 ¼ inch size, case, cast iron, Nubian finish, disc and shackle steel, copper plated, inside parts steel, two flat steel nickel plated keys, warded, 6 changes, weight per dozen 8 pounds, per dozen..... $11.95 **9.00**

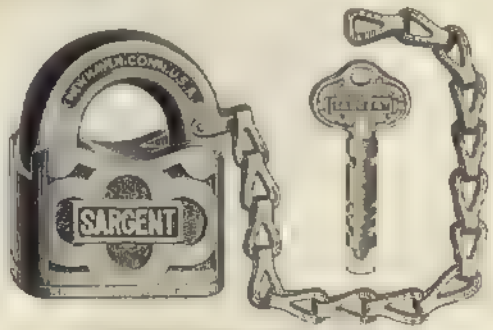
One half dozen in a box

SARGENT PADLOCKS

Cast bronze case, bronze shackle, two flat steel keys, self locking spring shackle

No.	Size, In.	Levers	Changes	Wt. Doz., Pounds	Per Dozen	
651	1¼	3	48	2¼	$22 16	**$15.00**
652	1½	3	48	4	25.20	**17.00**
653	1¾	4	72	5	28.24	**18.00**
654	2	4	144	8	31.24	**20.00**

One half dozen in a box



With Royal Metal Chain

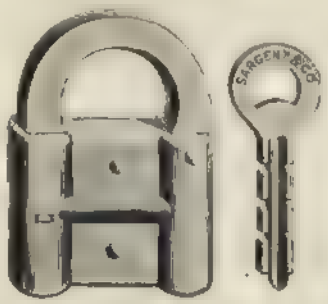
Cast bronze case, bronze shackle, two flat steel keys, self locking spring shackle.

No.	Size, In.	Levers	Changes	Wt. Doz., Pounds	Per Dozen	
652C	1½	3	48	4½	$28 20	**$20.00**
654C	2	4	144	8¾	34.24	**23.00**

One quarter dozen in a box

No. 759 2 inch size, cast brass, polished, self locking spring shackle, two flat steel keys, brass inside works, weight per dozen 4 pounds.
Per dozen $9 60 **7.00**

One dozen in a box

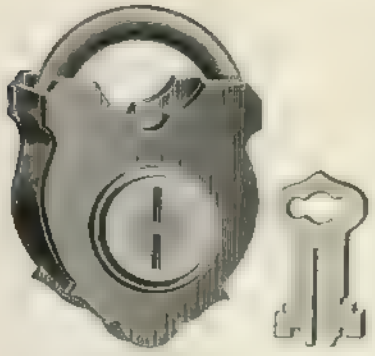


No. DA296 2¼ inch size, wrought steel case, antique copper finish, self locking spring shackle, two corrugated steel keys, weight per dozen 9 pounds, per dozen..... $4.90 **4.00**

One half dozen in a box

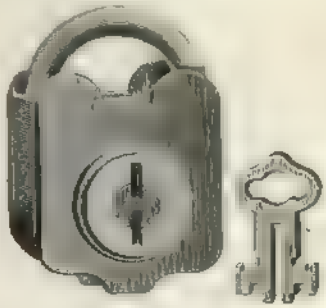
SARGENT PADLOCKS

WROUGHT IRON TUMBLER PADLOCKS



No. 404 x 2 Keys 2½ inch size, japanned, 6 changes, brass bushing, one wheel and bridge ward, double chamber, revolving key pin, double bitted flat steel keys, monogram brass bushing on back, two keys to each lock, weight per dozen 6 pounds, per dozen..... ...$9.20 **5.00**

One half dozen in a box

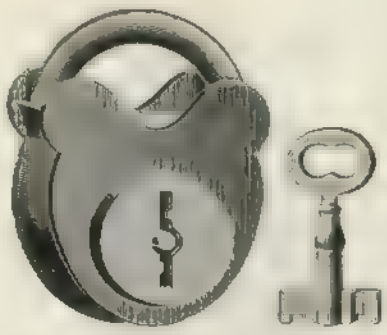


No. 223 x 2 Keys 2¼ inch size, japanned, 6 changes, brass bushing, bridge ward, revolving key pin, double chamber, two double bitted flat steel keys, monogram brass bushing on back, weight per dozen 4¼ pounds, per dozen.....$7.95 **4.00**

One half dozen in a box

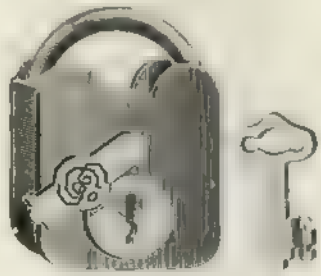
No. 409C x 2 Keys 2½ inch size, japanned, 6 changes, wrought iron tumblers, engraved drop, brass bushing, one wheel and bridge ward, double chamber, revolving key pin, two double bitted flat steel keys, brass bushing on back, self locking spring shackle, with chain, weight per dozen 8 pounds, per dozen .. $12.75 **8.00**

One half dozen in a box



No. 342 x 2 Keys 2½ inch size, japanned, 6 changes, brass bushing, wheel, side and bridge wards, double chamber, two double bitted keys to each lock, weight per dozen 6½ pounds. Per dozen $8.20 **4.50**

One half dozen in a box



No. 215 x 2 Keys 2¼ inch size, japanned, 6 changes, brass drop and bushing, wheel ward, revolving key pin, two flat steel keys, brass bushing on back, weight per dozen 4 pounds. Per dozen $6.45 **3.75**

One half dozen in a box

CYLINDER PADLOCKS

For Automobiles and Motorcycles 1

Extra Strong and Heavy

No. 948P 1½ inch size, heavy cast bronze case, Imperial finish, nickel plated steel self locking spring shackle, shackle is 2½ inches long, inside measurement, two gold plated German silver keys, unlimited changes, weight per dozen 5 pounds, per dozen.. . .. $38.00 **27.00**

One twelfth dozen in a box

PADLOCKS

Illustrations Actual Size

SCANDINAVIAN

Bronze Metal

Bronze case, finished in bright raised characters upon a black groundwork, highly polished bronze shackle, two nickel plated steel keys, three tumblers, 6 changes.

No. 99 1⅞ inch size, weight per dozen 3⅞ pounds.
Per dozen **$12.00**

No. 999 1⅝ inch size, weight per dozen 6 6-16 pounds.
Per dozen **15.00**

One half dozen in a box

KEYLESS

Brass Dial and Knob, Nickel Plated

No. 34 2 inch size, case steel, enameled black, malleable shackle, nickel plated, 600 combinations available, weight per dozen 5½ pounds. per dozen... . **$18.00**

Opens at the right combination only and can be operated in the dark as easily as in the light. Nonpickable

One in a box

SIX LEVER LOCKS

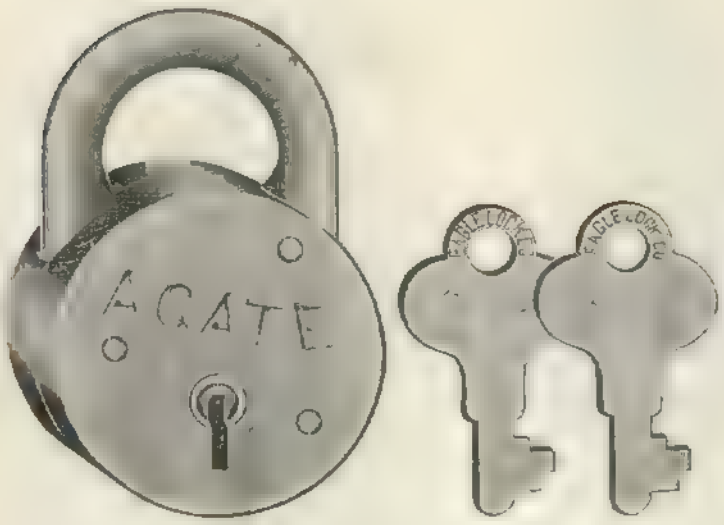
No. 4041 2 inch size, case iron bright finish, bright shackle, self locking, spring shackle, six secure levers, two double bitted nickel plated flat steel keys, all different in a dozen, weight per dozen 4¼ pounds
Per dozen **$4.00**

One half dozen in a box

No. 4127 2 inch size, case iron bright finish, bright shackle, self locking, spring shackle, six secure levers, two double bitted nickel plated wrought steel keys, all different in a dozen, weight per dozen 4⅞ pounds.
Per dozen **$4.00**

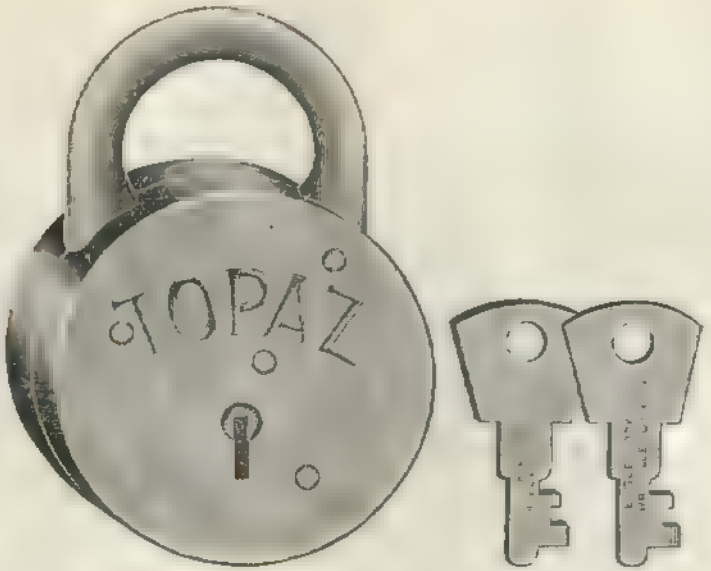
One half dozen in a box

PADLOCKS



No. 4078 1¼ inch size, iron case, ivory black finish, brass plated shackle, self locking, spring shackle, two flat steel keys, 6 key changes, weight per dozen 2½ pounds, per dozen. **$1.60**

One dozen in a box



No. 4098 2 inch size, iron case, ivory black finish, brass plated shackle, self locking spring shackle, two flat steel keys, 6 key changes, weight per dozen 2⅞ pounds, per dozen. **$2.75**

One dozen in a box

No. 4095¼ 2 inch size, iron, brass plated case and shackle, self locking, automatic spring shackle that flies open to a quarter turn position when unlocked, two nickel plated corrugated keys, all different in a dozen, weight per dozen 3½ pounds, per dozen. **$6.50**

No. 4095¼C Same as No. 4095¼, with 9 inch chain, weight per dozen 4 pounds, per dozen. **7.50**

One half dozen in a box

No. 4063 2½ inch size, iron case, ivory black finish, shackle, black nickel, extra heavy, self locking spring shackle, four secure levers, two nickel plated flat steel keys, all different in a dozen, weight per dozen 8⅛ pounds, per dozen. **$8.00**

One half dozen in a box

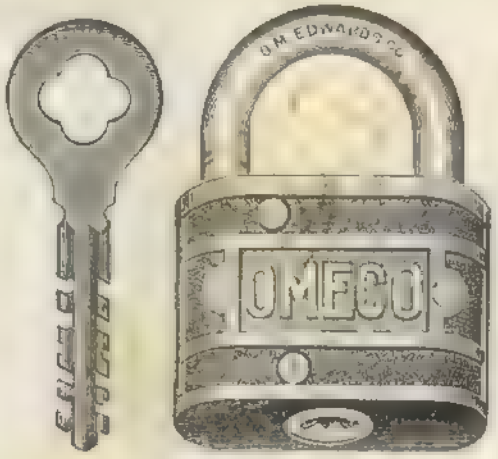
PADLOCKS

Illustrations Actual Size

Heavy Cast Bronze Case

No. 1052 2 inch size, highly polished cast bronze case, cast bronze spring shackle, two flat steel keys, weight per dozen 7 pounds, per dozen... **$6.00**

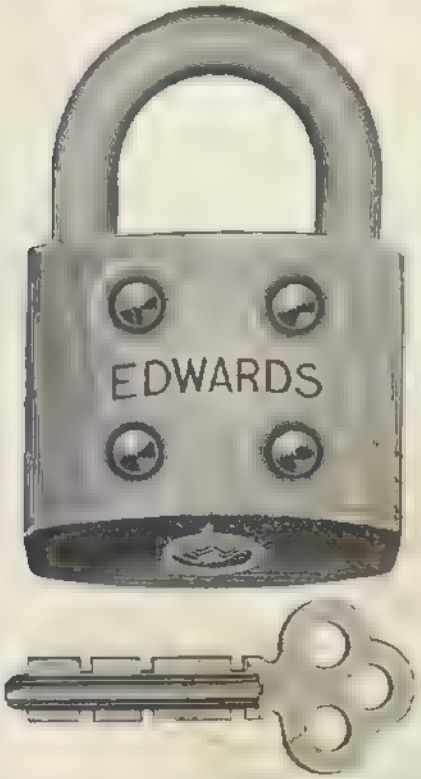
One half dozen in a box



Cast Brass Case

No. 1060 [illegible] size, cast brass case, black backed and surface polished, round brass spring shackle, [illegible], two nickel plated steel corrugated keys, weight [illegible] dozen 5½ pounds, per dozen..... **$4.00**

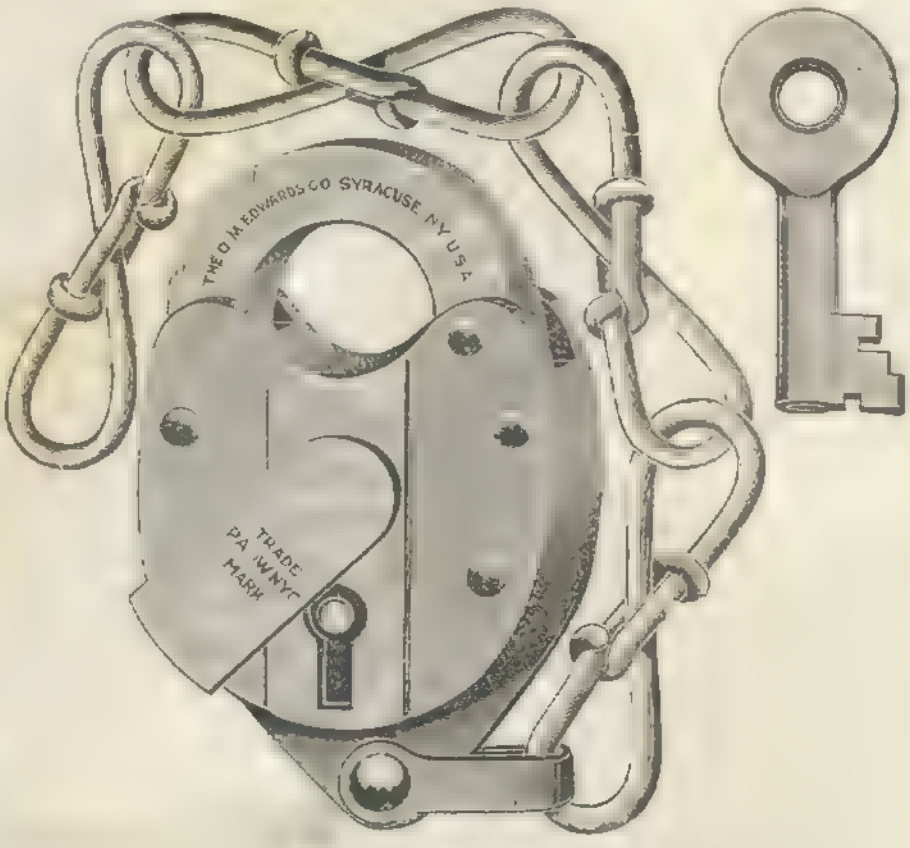
One dozen in a box



Wrought Steel Case

No. 01090 2 inch size, brass plated, steel case, heavy round swing shackle two nickel plated steel corrugated keys, corrugated brass key bushing, weight per dozen 5 pounds, per dozen..... **$4.00**

One half dozen in a box



Heavy Bronze Metal Switch Padlock

No. 1565Cx 2 Keys 2½ inch size, reinforced on back of case and front of cap, has 9 inches heavy galvanized chain, all cast bronze inside parts, phosphor bronze wire springs, spring drop over key, spring shackle, self locking. Made for hardest use.
Per dozen **$20.00**

One half dozen in a box

PADLOCKS

Illustrations Actual Size

No. 75 2⅛ inch size, nickel plated iron case and shackle, two flat steel keys, per dozen..... **$3.00**

One half dozen in a box

No. 839 2¼ inch size, steel case, brass plated, double locking bolts, five ward levers, two ribbed flat steel keys, malleable iron shackle, per dozen..... **$5.00**

No. 839C Same as No. 839 except with chain, per dozen, **6.50**

If wanted master keyed add **$2.50** to list price.

One half dozen in a box

THE "STANDARD" R. F. D. MASTER KEYED MAIL BOX LOCKS

No. 9902NC

No. 9902

Master Key

No. 9902NC 1⅝ inch size, brass case, brass rod shackle, automatic action with patented shackle stop, double spring levers, two keys, weight per dozen 5½ pounds, per dozen **$4.00**

No. 9902 With chain, 1⅝ inch size, brass case, brass rod shackle, automatic action with patented shackle stop double spring levers, two keys, weight per dozen 6 pounds, per dozen..... **$5.50**

One Master Key, which operates all key changes, with each dozen

One lock in a carton, one dozen in a container

POCKET KNIVES

Cuts Full Size

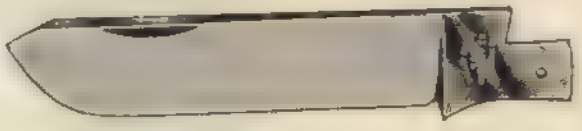
CUTS SHOWING THE DIFFERENT STYLES OF BLADES

Spear Point

Clip Point

Sabre Point

Sheeps Foot Point.



Spey Point.

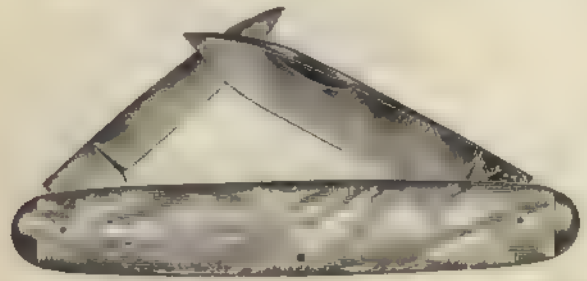
Note—The above information applies to our entire line of Pocket Knives

Per Dozen

No. 2754—Two Blades, 1 Large Spear Point and 1 Pen. Polished, 2⅛ in. Pearl Handle, Brass Lined, Nickel Silver Bolsters. . . . . $. .

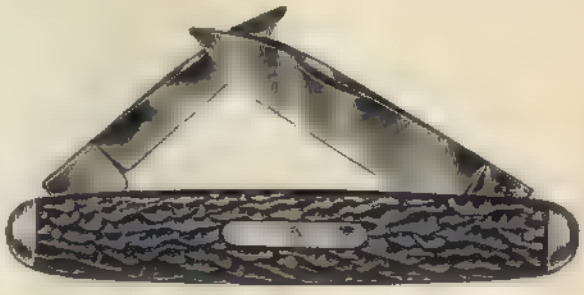
Per Dozen

No. 2154—Two Blades, 1 Large Spear Point an 1 Pen, Polished, 2¾ in. Pearl Handle, Brass Lined, Nickel Silver Bolsters. . . . . $.



Per Dozen

No. 2284—Two Blades, 1 Large Spear Point and 1 Pen, Polished, 3⅛ in. Pearl Handle, Brass Lined, Nickel Silver Tips. . . . . $.



Per Dozen

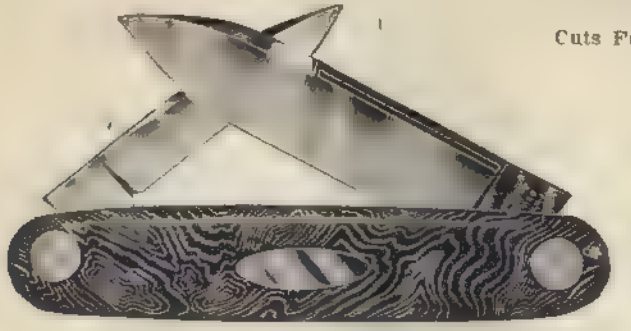
No. 2283—Two Blades, 1 Large Spear Point and 1 Pen, Glazed, 3⅛ in. Stag Handle, Nickel Silver Tips . . . . . $. .

Per Dozen

No. 3504—Two Blades, 1 Large Spear Point and 1 Pen, Polished, 3⅛ in. Pearl Handle, Brass Lined, Nickel Silver Tips, with Shackle. . . . . $. . . . .

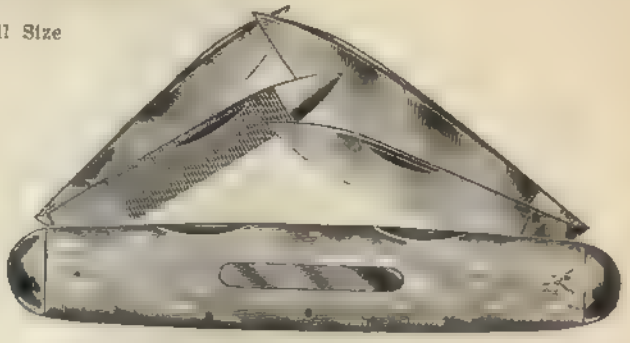
POCKET KNIVES

Cuts Full Size



Per Dozen

No. 1578—Two Blades, 1 Large Spear Point and 1 Pen, Glazed, 3¼ in. Pyralin Handle, Brass Lined, Nickel Silver Shield . . . . . $.....



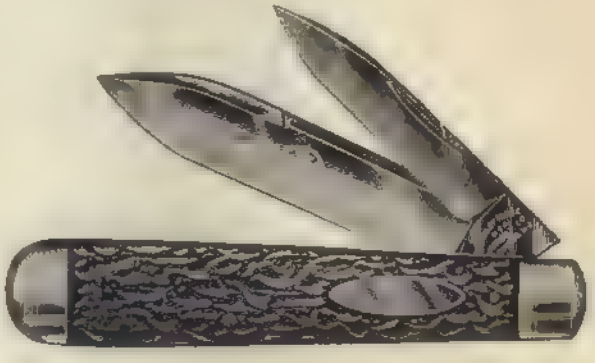
Per Dozen

No. 2324—Four Blades, 1 Large Spear Point, 2 Pen and Nail File, Polished, 3¼ in. Pearl Handle, Brass Lined, Nickel Silver Tips.. $. . .

No. 2323—Same as No. 2324, Glazed, Stag Handle. . . . .

Per Dozen

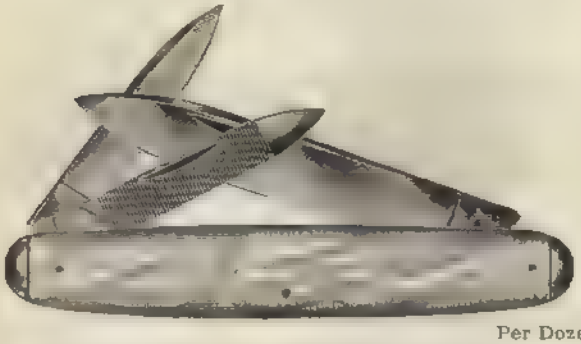
No. 2164—Three Blades, 1 Large Spear Point, 1 Pen, and Nail File, Polished, 2¾ in. Pearl Handle, Brass Lined, Nickel Silver Bolster... $.....



Per Dozen

No. 38—Two Blades, 1 Large Spear Point and 1 Pen, Glazed, 3¼ in., Brass Lined, Iron Bolster and Cap . . . . . $ . . .

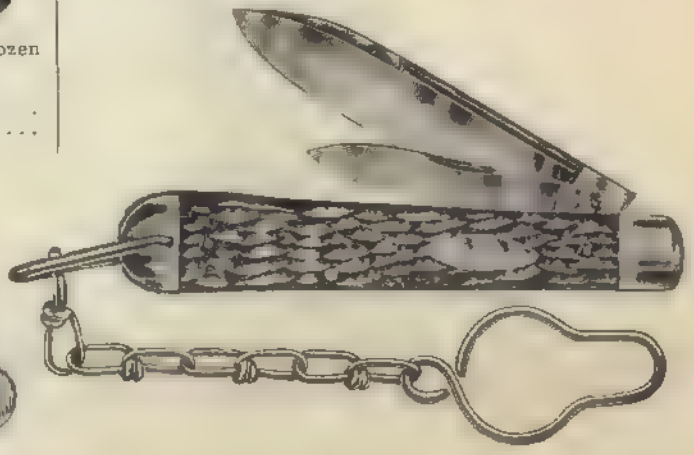
No. 36—Same as No. 38, Black Handle. . . . . .

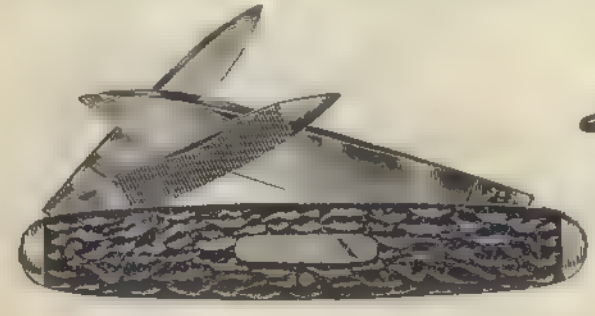


Per Dozen

No. 2289—Three Blades, 1 Large Spear Point, 1 Pen and 1 Nail File, Polished, 3⅛ in. Pearl Handle, Brass Lined, Nickel Silver Tips.. $ . . .

No. 2288—Same as No. 2289, Glazed, Stag Handle. . . .





Per Dozen

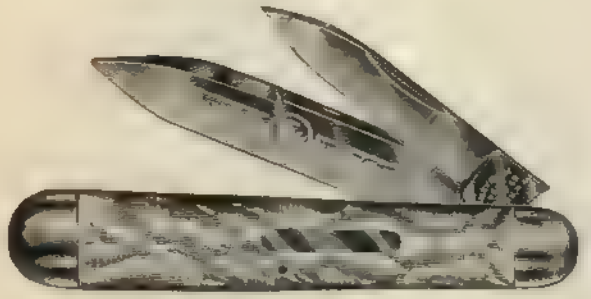
No. 2318—Three Blades, 1 Large Spear Point, 1 Pen and Nail File, Glazed, 3¼ in. Stag Handle, Brass Lined, Nickel Silver Tips.....$.....

Per Dozen

No. 38C—Two Blades, 1 Large Spear Point and 1 Pen, Glazed, Stag Handle, Brass Lined, Iron Bolster and Cap, with Chain. . . $ . .

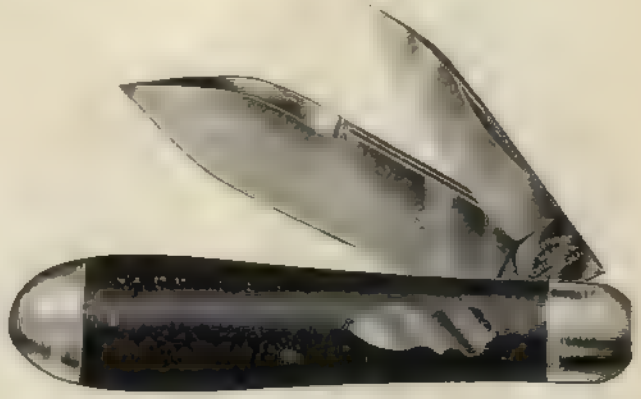
POCKET KNIVES

Cuts Full Size



Per Dozen

No. 0579—Two Blades, 1 Large Spear Point and 1 Pen, Polished, 3⅛ in. Pearl Handle, Brass Lined, Nickel Silver Bolster and Cap.....$.....



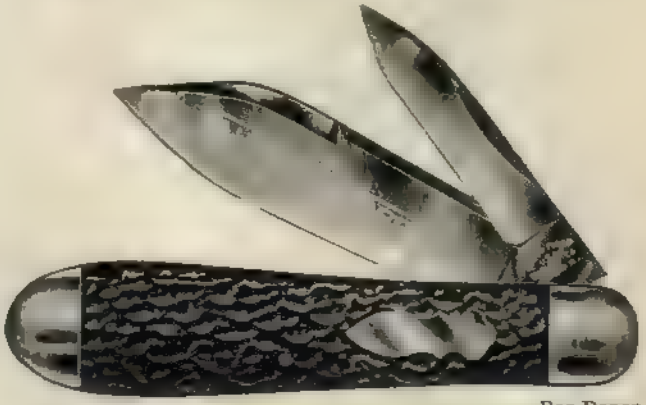
Per Dozen

No. 56—Two Blades, 1 Large Spear Point and 1 Pen, Glazed, 3⅛ in. Black Handle, Brass Lined, Iron Bolster and Cap.....$.....

Per Dozen

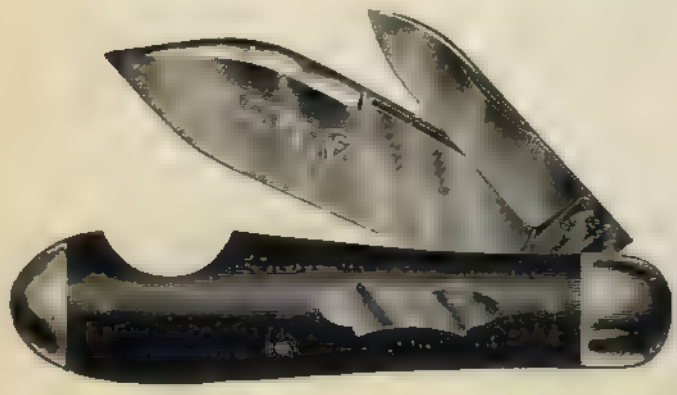
No. 0688—Two Blades, 1 Large Spear Point and 1 Pen, Glazed, 3⅛ in. Stag Handle, Brass Lined, Nickel Silver Bolster and Cap.....$.....

No. 0688GP—Same as No. 0688, but Gold Pearl Handle .....



Per Dozen

No. 58—Two Blades, 1 Large Spear Point and 1 Pen, Glazed, 3⅛ in. Stag Handle, Brass Lined, Iron Bolster and Cap.....$.....



Per Dozen

No. 0401—Two Blades, 1 Large Spear Point and 1 Pen, Glazed, 3⅝ in. Easy Opener Ebony Handle, Brass Lined, Iron Bolster and Cap.....$.....

No. 0403—Same as No. 0401, Stag Handle .....

No. 0406—Same as No. 0401, Cocoa Handle. .....

Per Dozen

No. 663—Two Blades, 1 Large Spear Point and 1 Pen, Glazed, 3⅛ in. Stag Handle, Brass Lined, Nickel Silver Bolster and Cap.....$.....

No. 663PVR—Same as No. 663, but Pyralin Handle .....$.....

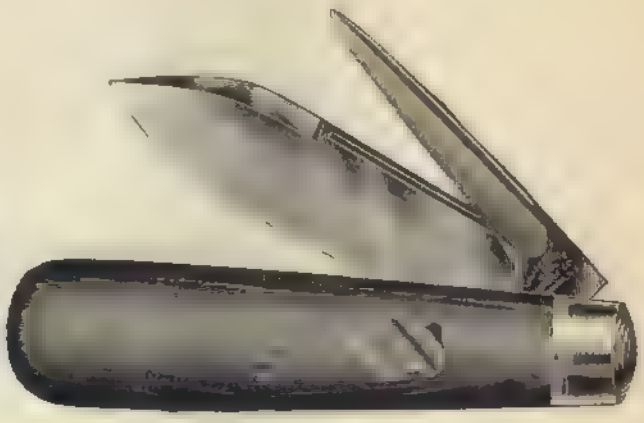
No. 661 -Same as No. 663, but Ebony Handle. .....

POCKET KNIVES

Cuts Full Size.

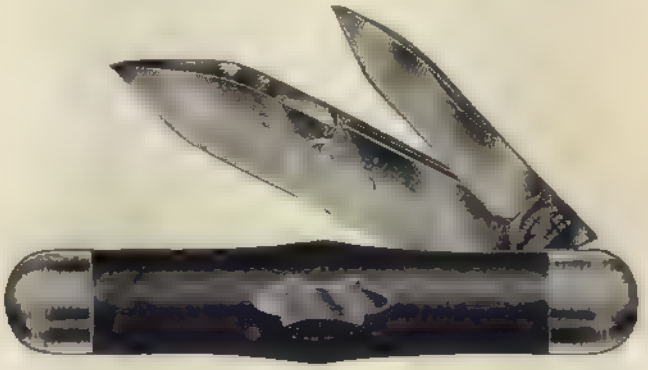
Per Dozen

No. 1121—Two Blades, 1 Large Sabre Spear Point and 1 Pen, Glazed, 3½ in. Ebony Handle, Brass Lined, Nickel Silver Bolster.....$.....



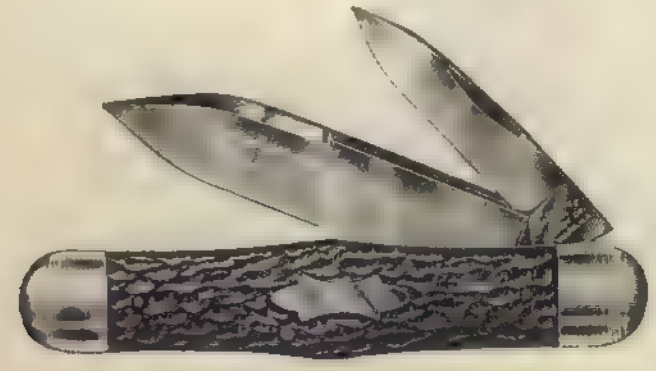
Per Dozen

No. 15—Two Blades, 1 Large Spear Point and 1 Punch, Glazed, 3½ in. Rosewood Handle, Brass Lined, Iron Bolster.....$.....



Per Dozen

No. 846—Two Blades, 1 Large Spear Point and 1 Pen, Glazed, 3½ in. Ebony Handle, Brass Lined, Iron Bolster and Cap.....$....



Per Dozen

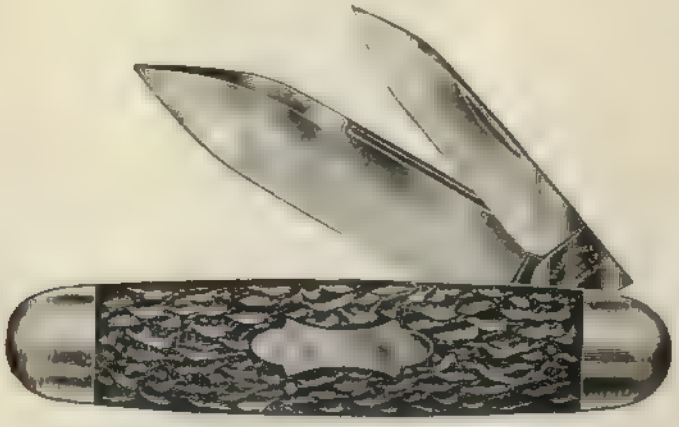
No. 848—Two Blades, 1 Large Spear Point and 1 Pen, Glazed, 3½ in. Stag Handle, Brass Lined Iron Bolster and Cap.....$....

Per Dozen

No. 1146—Two Large Blades, 1 Clip and 1 Spear Point, Glazed, 3½ in. Ebony Handle, Brass Lined, Nickel Silver Bolsters.....$.....

POCKET KNIVES

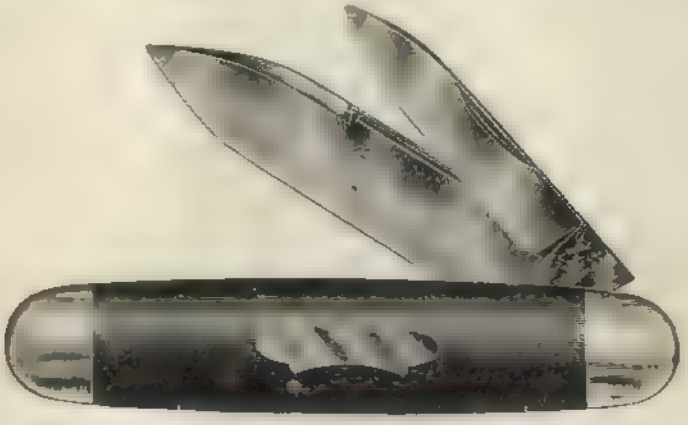
Cuts Full Size



Per Dozen

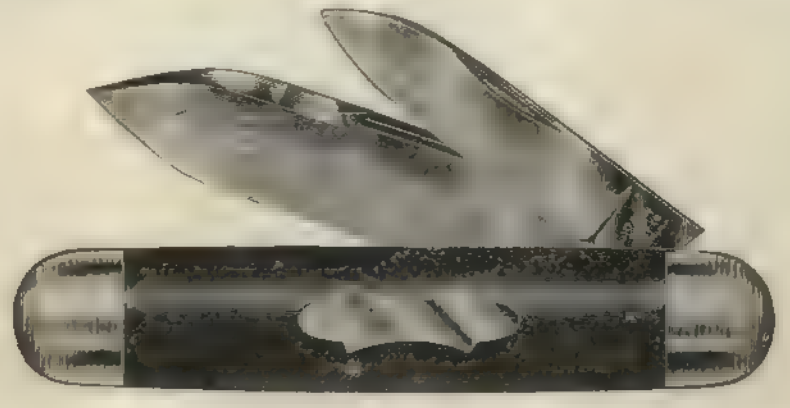
No. 783—Two Blades, 1 Large Spear Point and 1 Pen, Glazed, 3¾ in. Stag Handle, Brass Lined, Iron Bolster and Cap ..... $

No. 780—Same as No. 783, but Cocoa Handle.....



Per Dozen

No. 781—Two Blades, 1 Large Spear Point and 1 Pen, Glazed, 3¾ in. Ebony Handle, Brass Lined, Iron Bolster and Cap ..... $



Per Dozen

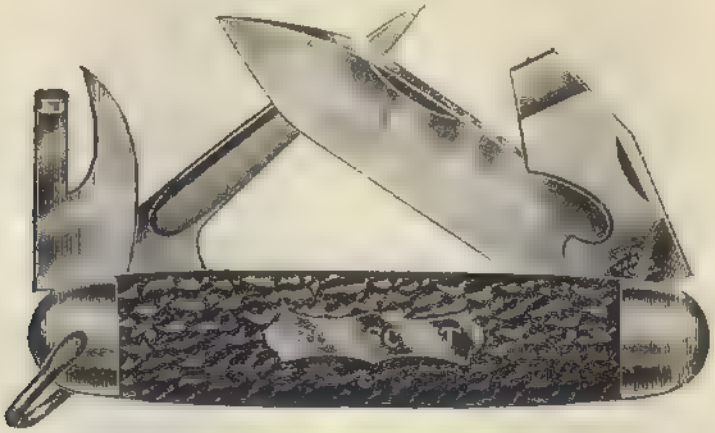
No. 280—Two Blades, 1 Large Spear Point and 1 Pen, Glazed, 4 in. Cocoa Handle, Brass Lined, Nickel Silver Bolster and Cap..... $

No. 281—Same as No. 280, but Ebony Handle.

No. 283—Same as No. 280, but Stag Handle..

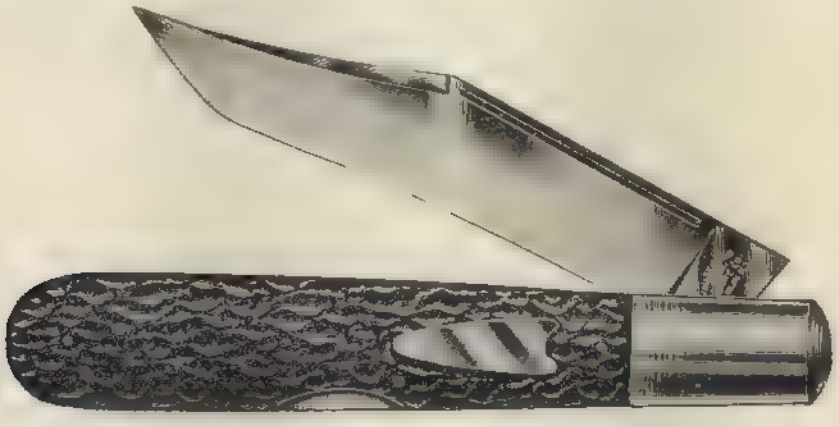
POCKET KNIVES

Cuts Full Size.



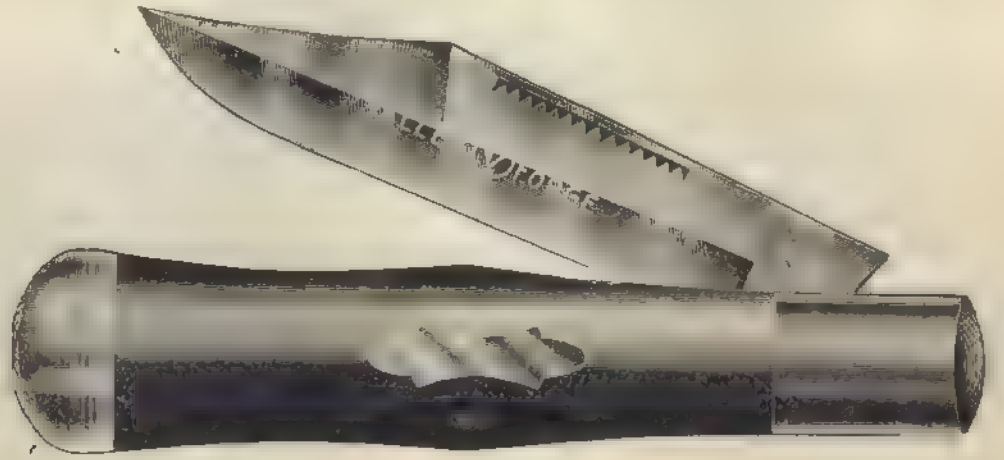
Per Dozen

No. 0888—Boy Scout, Four Blades, 1 Large Spear Point, 1 Punch, 1 Combined Screw Driver and Bottle Opener, 1 Can Opener and Presto Tank Key, Glazed Finished, 3⅝ in. Stag Handle Brass Lined, Nickel Silver Bolsters, with Chain Shackle..... $ . . .



Per Dozen

No. 0038—One Large Clip Hunting Blade, Glazed, 4½ in Stag Handle Brass Lined, Nickel Silver Bolster....$.....



Per Dozen

No. 0146—One Large-Sabre Clip Hunting Blade, Glazed, 5⅝ in. Ebony Handle, Iron Lined, Iron Bolster and Cap .... $. ...

POCKET KNIVES

Cuts Full Size

EMPIRE BRAND

Blades are Made of the Finest Quality High Carbon Cutlery Steel, Finest Uniform Temper Possible to be Obtained. Guaranteed to be Free from Flaws and Softness.

Per Dozen

No. 650-S—Two Blades, Spear Point, Glazed, 3 in. Stag Handle, Brass Lined, German Silver Bolsters.....$....

One-half Dozen in a Box.

Per Dozen

No. 781-S—Two Blades, Spear Point, Glazed, 3⅛ in. Stag Handle, Brass Lined, German Silver Bolsters.....

One-half Dozen in a Box.

Per Dozen

No. 896—Two Blades, 1 Large Spear Point and 1 Pen, Glazed, 3¼ in. Ebony Handle, Brass Lined, German Silver Bolsters and Shield.....$....

No. 928—Three Blades, 1 Large Spear Point and 2 Pen, Half Polished, 3¼ in. Stag Handle, Brass Lined, German Silver Bolsters and Shield.

No. 926—Same as No. 928, but Pearl Handle.....

No. 925—Two Blades, 1 Large Spear Point and 1 Pen, Glazed, 3¼ in. Pearl Handle, Brass Lined, German Silver Bolsters and Shield.....

One-half Dozen in a Box.

Per Dozen

No. 940—Three Blades, 1 Large Spear Point, 1 Pen and File, Half Polished, 3¼ in. Stag Handle, German Silver Lined, German Silver Tips, Milled Back.....$....

One-half Dozen in a Box

Per Dozen

No. 051—Two Blades, 1 Large Spear Point and 1 Pen, Half Polished, 3½ in. Ebony Handle, Brass Lined Steel Bolster and Cap.....$.....

One-half Dozen in a Box.

Per Dozen

No. 066—Two Blades, 1 Large Spear Point and 1 Pen, Half Polished, 3⅝ in. Cocobolo Handle, Brass Lined, Steel Bolster and Cap.....$.....

One-half Dozen in a Box.

POCKET KNIVES

Cuts Full Size.

EMPIRE BRAND

Blades are Made of the Finest Quality High Carbon Cutlers Steel, Finest Uniform Temper Possible to be Obtained, Guaranteed to be Free from Flaws and Softness.

Per Dozen

No. 254—Two Blades, 1 Large Spear Point and 1 Pen, Glazed, 3⅛ in. Cocobolo Handle, Steel Lined, Steel Bolster ..... $.....

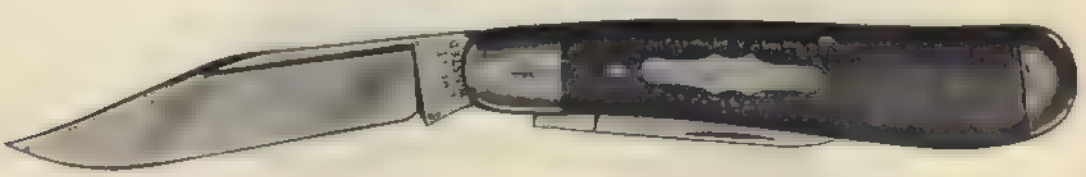
One-half Dozen in a Box.

Per Dozen

No. 257 Two Blades, 1 Large Spear Point and 1 Pen, Glazed, 3⅜ in Cocobolo Handle, Steel Lined, Steel Bolster ..... $. ...

No. 157 One Blade, Spear Point, Otherwise Same as No. 257 .....

One-half Dozen in a Box.



Per Dozen

No. 648½—Two Blades, 1 Large Clip Point and 1 Pen, Half Polished, 3½ in. Handle, Brass Lined, Steel Bolster and Cap..... $ ..

One-half Dozen in a Box.

Per Dozen

No. 662—Two Blades, 1 Large Spear Point and 1 Pen, Glazed, 3⅝ in. Cocobolo Handle, Brass Lined, Steel Bolster and Cap..... $ ....

One-half Dozen in a Box

Per Dozen

No. 900—Two Blades 1 Large Spear Point and 1 Pen, Half Polished and Etched, 3¾ in. Ebony Handle Brass Lined, German Silver Bolster and Cap..... $.....

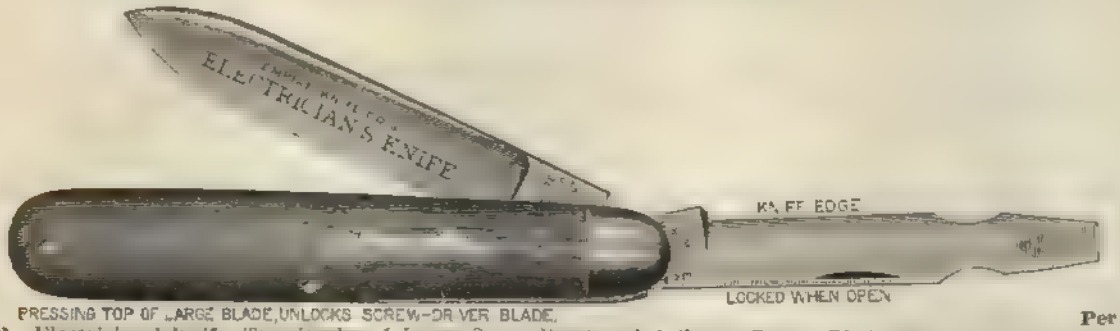
One-half Dozen in a Box

POCKET KNIVES

Cuts Full Size

EMPIRE BRAND

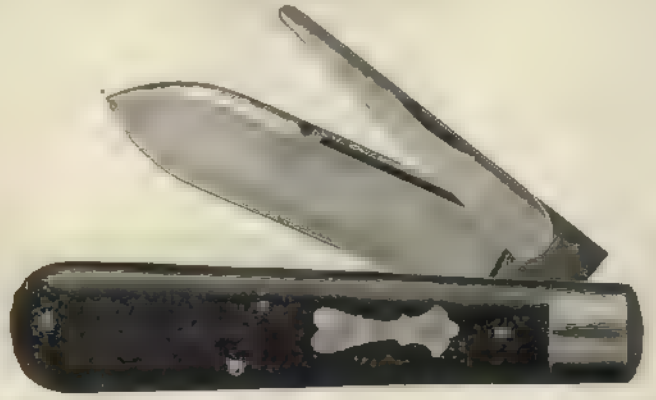
Blades are Made of the Finest Quality High Carbon Cutlery Steel, Finest Uniform Temper Possible to be Obtained, Guaranteed to be Free from Flaws and Softness.



Per Dozen

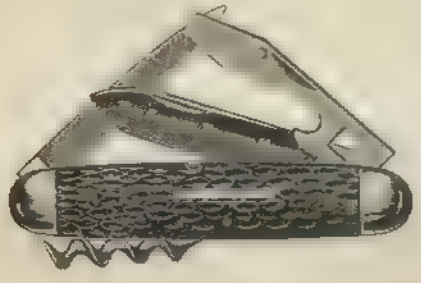
No. 372—Electricians' Knife, Two Blades, 1 Large Spear Point and 1 Screw Driver Blade with Wire Skinning Edge, Locked when Open, Glazed and Etched, 3½ in Cocobolo Handle, Brass Lined, German Silver Bolsters ..... $.

One-half Dozen in a Box.



Per Dozen

No. 2603½—Punch Knife, Two Blades, 1 Large Spear Point and 1 Leather Punch, Glazed and Etched, 3½ in. Ebony Handle, Brass Lined, Steel Bolster ..... $.



Cut Two-thirds Size

Per Dozen

No. 378-SF—Tourist Knife, 1 Large Spear Point Blade, 1 Flexible Nail File, 1 Combination Screw Driver, Cap Lifter, Can Opener and Presto Light Key, 1 Cork Screw, Half Polished and Etched, 3¼ in. Stag Handle, Brass Lined, German Silver Bolsters ..... $ .....

One-half Dozen in a Box.

Per Dozen

No. 38F—Three Blades, 1 Large Spear Point, 1 Large Sheepsfoot and 1 Leather Punch, Half Polished and Etched, 3⅝ in. Ebony Handle, Brass Lined, German Silver Bolsters ..... $.

One-half Dozen in a Box.

POCKET KNIVES

CRANBERRY

No. 062 Two blades, white bone handle, steel bolster, iron lined, length of handle 3⅜ inches, per dozen.....**$4.80**

No. 066 Same as No. 062, except with clip blade, length of handle 3⅜ inches, per dozen..... **4.80**

No. 065 One blade, white bone handle, steel bolster, iron lined, length of handle 3⅜ inches, per dozen.....**$2.80**

No. 060 Same as No. 065, except with spear blade length of handle 3⅜ inches, per dozen..... **2.80**

No. 153 One blade, glazed stag handle, brass lined, steel bolster, length of handle 4⅝ inches per dozen **$15.00**

No. 154 One blade, glazed, japanned iron handle, bright bolster, length of handle 3½ inches.....per dozen, **$4.00**

No. 151 One blade, iron handle pruning knife, length of handle 4 inches.....per dozen, **$8.50**

No. 152 Same as No. 151, except with ebony handle, iron lined, length of handle 4 inches.....per dozen, **8.50**

No. 203 Two blades, stag handle, brass lining, German silver bolsters, length of handle 3½ inches.
Per dozen **$11.00**

No. 204 Two blades, stag handle, German silver bolster, cap and shield, brass lined, half polished, length of handle 3½ inches, per dozen..... **$8.00**

No. 206 Two blades, stag handle, German silver shield and bolsters, brass lined, half polished, length of handle 3 inches, per dozen. **$8.50**

No. 207P Two blades, polished, pearl handle, brass lining, length of handle 3 inches, per dozen.....**$20.00**

POCKET KNIVES

CRANBERRY

No. 208P Two blades, polished, pearl handle, brass lining, German silver tips, length of handle 3 inches. Per dozen $20.00

No. 209SP Two blades, polished, smoked pearl handle, brass lining, German silver tips, length of handle 3⅛ inches, per dozen..... $11.00

No. 210 Two blades, polished, gray bone handle, steel lining and bolsters, length of handle 2⅞ inches. Per dozen $8.00

No. 211 Two blades, polished, stag handle, brass lining, steel bolsters, length of handle 3¼ inches per dozen $8.00

No. 212 Two blades, polished, gray bone handle, brass lining, German silver bolsters, length of handle 3¼ inches, per dozen..... $12.00

No. 213 Two blades, glazed, stag handle, steel lining and bolsters, length of handle 3⅛ inches, per dozen . $6.50

No. 214 Two blades, polished, imitation shell handle, brass lining, length of handle 3⅛ inches, per dozen..$8.00

No. 215 Two blades, stag handle, German silver shield and bolsters, brass lined, half polished, length of handle 3¼ inches, per dozen.....$8.50

No. 216 Two blades, gun metal handle, burnished shield, length of handle 2⅞ inches per dozen. . . $4.50

No. 224 Two blades polished, white celluloid handle, brass lining, German silver tips, length of handle 3⅛ inches, per dozen..... $8.00

No. 225 Two blades, polished, stag handle, brass lining, German silver bolsters, length of handle 3⅛ inches Per dozen $8.50

No. 226 Two blades, polished stag handle, brass lining, German silver bolsters, length of handle 3⅛ inches Per dozen $8.50

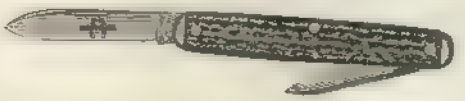
POCKET KNIVES

CRANBERRY

No. 229 Two blades, polished, stag handle, brass lining, steel bolsters, length of handle 3 inches, per dozen **$8.00**

No. 230 Two blades, polished, stag handle, brass lining, German silver bolsters, length of handle 3 inches. Per dozen **$8.00**

No. 231 Two blades, polished, stag handle, brass lining, German silver tips, length of handle 3 inches Per dozen **$8.00**

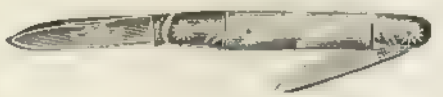


No. 232 Two blades, stag handle, brass lining, German silver tips, half polished, length of handle 2½ inches. Per dozen **$8.50**

No. 241 Two blades, polished, stag handle, brass lining steel bolsters, length of handle 3¼ inches. Per dozen **$8.00**

No. 242 Two blades, polished, stag handle, brass lining, German silver bolsters, length of handle 3⅞ inches. Per dozen **$12.00**

No. 243P Two blades, polished pearl handle, brass lining German silver bolsters, length of handle 2¾ inches, per dozen **$14.00**



No. 244P Two blades, polished, pearl handle, brass lining, aluminum engraved bolsters, length of handle 2¾ inches, per dozen **$15.00**

No. 245P Two blades polished, pearl handle, brass lining aluminum engraved bolsters, length of handle 3½ inches, per dozen **$19.00**

No. 246P Two blades polished pearl handle brass lining, German silver tips, length of handle 3 inches. Per dozen **$20.00**

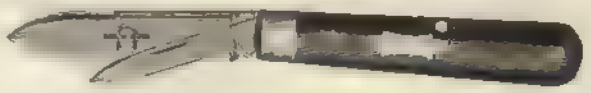
No. 247 Two blades polished imitation shell handle, brass lining, German silver bolsters, length of handle 3 inches, per dozen **$8.50**

No. 249 Two blades, stag handle, steel bolster and lining German silver shield, half polished, length of handle 4⅛ inches, per dozen **$13 00**

POCKET KNIVES

CRANBERRY

No. 250 Two blades, iron handle, iron bolster, length of handle 3 inches, per dozen $5.00



No. 252 Two blades, ebony handle, steel bolster and lining, German silver shield, length of handle 3⅜ inches, per dozen... $4.30

No. 251 Two blades, redwood handle, steel bolster and lining, length of handle 3 inches, per dozen $4.00

No. 256 Two blades, redwood handle, steel bolster, brass lined, German silver shield, half polished, length of handle 3⅜ inches, per dozen... $8.00

No. 255 Same as No. 256, except with stag handle, length of handle 3⅜ inches, per dozen..... 8.00

No. 258 Two blades, stag handle, steel bolster, brass lined, German silver shield, half polished, length of handle 3½ inches, per dozen..... $8.00

No. 258½ Same as No. 258, except with Buffalo handle, length of handle 3½ inches, per dozen..... 9.00

No. 259 Two blades, stag handle, steel bolster, brass lined, German silver shield, half polished, length of handle 3½ inches, per dozen..... $8.00

No. 260 Two blades, stag handle, steel bolster and cap, brass lined, half polished, length of handle 3⅝ inches, per dozen $8.50

No. 262 Two blades, stag handle, German silver bolster, cap and shield, brass lined, half polished, length of handle 3⅝ inches, per dozen..... $8.00

No. 262½ Two blades, Buffalo handle, German silver bolster, cap and shield, brass lined, half polished, length of handle 3 inches, per dozen.. $8.50

No. 263 Two blades, stag handle, steel bolster, German silver cap and shield, brass lined, half polished, length of handle 3⅝ inches, per dozen..... $11.00

No. 264 Same as No. 263, except with Buffalo handle, length of handle 3⅝ inches, per dozen 11.00

No. 265 Two blades, ebony handle, German silver bolsters and shield, brass lining, half polished, length of handle 4¼ inches, per dozen..... $11.00

No. 267 Two blades, white bone handle, German silver bolster and shield, brass lined, half polished, length of handle 4¼ inches, per dozen..... $12.00

No. 266 Same as No. 267, except with stag handle, length of handle 4¼ inches, per dozen..... 12.00

No. 266½ Same as No. 267, except with Buffalo handle, length of handle 4¼ inches, per dozen..... 12.00

POCKET KNIVES

CRANBERRY

No. 268 Two blades, stag handle, brass lined, nickel polished, length of handle 3½ inches, per dozen.....$8.00

No. 269 Two blades polished, stag handle, brass lining, steel bolsters, length of handle 3½ inches, per dozen $8.00

No. 270 Two blades, polished stag handle, iron lining and bolsters, length of handle 4 ½ inches.....per dozen, $13.00

No. 271 Two blades, ebony handle, steel bolster, brass lined, German silver shield, half polished, length of handle 3¾ inches, per dozen..... $8 50

No. 273 Two blades, stag handle, steel bolsters, German silver shield, brass lined, half polished, length of handle 3½ inches, per dozen..... $12.00

No. 272 Same as No. 273, except has buffalo handle, length of handle 3½ inches, per dozen 12.00

No. 274 Physicians' knife, one blade and spatula, stag handle, German silver butt and bolster, brass lined, half polished, length of handle 3½ inches, per dozen $12 00

No. 279 One blade and belt punch, stag handle, steel bolster and cap, brass lined, German silver shield, half polished, length of handle 3½ inches, per dozen.....$9.00

No. 280 Two blades, stag handle, steel bolster, brass lined, German silver shield, half polished, length of handle 3¾ inches, per dozen $8.00

No. 281 Two blades, stag handle, steel bolsters and lining, German silver shield, length of handle 3½ inches, per dozen .. $6.50

POCKET KNIVES

CRANBERRY

No. 282 Two blades, polished, stag handle, brass lining, German silver bolsters, length of handle 2¾ inches. Per dozen **$8.00**

No. 283 Two blades, polished, stag handle, brass lining steel bolsters, length of handle 3¼ inches, per dozen, **$8.50**

No. 287P Two blades, pearl handle, German silver bolster cap and shield, brass lined, half polished length of handle 3 inches per dozen **$18.00**

No. 288 Two blades, glazed, ebony handle, iron lining and bolster, length of handle 3 inches per dozen **$4.00**

No. 289P Two blades, pearl handle, steel bolsters, brass lining, half polished, length of handle 3 inches. Per dozen **$18.00**

No. 291 Two blades, one large one small, length of handle 3 inches per dozen **$4.20**
No. 217 Same as No. 291, except with razor blade, length of handle 3 inches, per dozen **4.20**

No. 292 Two blades, polished, genuine stag handle steel lining and bolster, length of handle 4 inches Per dozen **$13.00**

No. 293 Two blades, polished, stag handle, brass lining, German silver bolsters, length of handle 3¼ inches Per dozen **$11.00**

No. 295 Two blades polished stag handle brass lining German silver bolsters, length of handle 3¼ inches. Per dozen **$8.00**

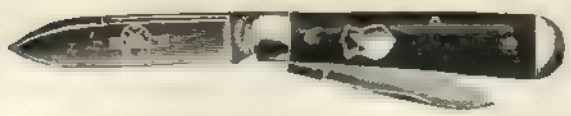
No. 296 Two blades stag handle German silver bolster cap and shield, half polished, length of handle 3¼ inches, per dozen **$8.50**

No. 297 Two blades, polished, stag handle, brass lining, German silver bolsters, length of handle 3¼ inches, per dozen **$11.00**

No. 299 Two blades, glazed, stag handle, steel lining and bolster, length of handle 3½ inches, per dozen. **$5.00**

POCKET KNIVES

CRANBERRY



No. 2200 Two blades, polished, imitation shell handle, brass lining, iron bolster, length of handle 3⅛ inches. Per dozen $9.00

No. 2201 Two blades, stag handle, steel bolsters, German silver shield, brass lined, half polished, length of handle 3⅜ inches, per dozen.....$12.00

No. 2202 Two blades, polished, white handle, brass lining, steel bolsters, length of handle 3½ inches. Per dozen $9.00

No. 2206 Two blades, stag handle, German silver bolster, cap and shield, brass lined, half polished, length of handle 3 inches, per dozen.....$8.00

No. 2207 Two blades, stag handle, steel bolster, cap and lining, German silver shield, length of handle 3⅜ inches per dozen .$6.00

No. 2208 Two blades, polished, stag handle, brass lining, German silver bolsters, length of handle 3¼ inches, per dozen $12.00

No. 2209P Barlow, two blades, polished, pearl handle, steel lining and bolster, length of handle 3¼ inches Per dozen $14.00

No. 2210 Two blades, polished, ebony handle, brass lining, steel bolsters, length of handle 3⅜ inches. Per dozen $9.00

No. 2211 Two blades, imitation shell handle, brass lining, German silver cap, steel bolster, length of handle 3⅝ inches, per dozen .$12.00

No. 2212P Two blades, polished, pearl handle, brass lining, German silver bolsters, length of handle 3⅜ inches, per dozen $32.00

No. 2213 Two blades, stag handle, German silver butt and bolster, brass lined, half polished, length of handle 3¼ inches, per dozen.....$12.00

No. 2216P Two blades, polished, pearl handle, brass lining, German silver bolsters, length of handle 2⅝ inches, per dozen..... . .$12.00

POCKET KNIVES

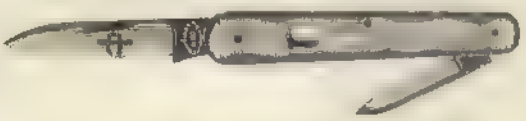
CRANBERRY

No. 2219P Two blades, polished, pearl handle, brass lining, German silver cap, steel bolster, length of handle 3⅜ inches, per dozen.....**$24.00**

No. 2220 Two blades, stag handle, brass lining, half polished, length of handle 2⅝ inches, per dozen.....**$8.50**

No. 2226P Two blades, polished, pearl handle, brass lining, German silver bolsters, length of handle 3⅛ inches, per dozen.....**$16.00**

No. 2227P Two blades, polished, pearl handle, brass lining, German silver bolsters, length of handle 3¼ inches, per dozen.....**$20.00**



No. 2228SP Two blades, smoked pearl handle, German silver tips and shield, brass lined, half polished, length of handle 3⅛ inches, per dozen.....**$8.50**

No. 2229 Two blades, stag handle, German silver bolsters and shield, brass lining, half polished, length of handle 4⅛ inches, per dozen.....**$12.00**

No. 2230 Two blades, stag handle, steel bolster and cap, brass lining, German silver shield, length of handle 3⅜ inches, per dozen.....**$8.00**

No. 2231 Two blades, stag handle, German silver bolsters and shield, brass lined, half polished, length of handle 3⅜ inches, per dozen.....**$9.00**

No. 2233 Two blades, stag handle, German silver bolster, cap and shield, brass lined, half polished, length of handle 3¼ inches, per dozen.....**$12.00**

No. 2234 Two blades, stag handle, steel cap and bolster, brass lined German silver shield, half polished, length of handle 3¼ inches, per dozen.....**$8.00**

No. 2236P Two blades, pearl handle, German silver tips and shield, brass lined, half polished, length of handle 3¼ inches, per dozen.....**$24.00**

No. 2237P Two blades, pearl handle, steel bolster and cap, brass lined, half polished, length of handle 3¼ inches, per dozen.....**$18.00**

POCKET KNIVES

CRANBERRY

No. 2238P Two blades, pearl handle, German silver tips and shield, brass lined, half polished, length of handle 2¾ inches, per dozen..... **$16.00**

No. 2239P Two blades, pearl handle, German silver bolsters and shield, brass lined, half polished, length of handle 3 inches, per dozen..... **$18.00**

No. 2240 Two blades, stag handle, German silver bolsters and shield, brass lined, half polished, length of handle 3⅛ inches, per dozen..... **$12.00**

No. 2241 Two blades, stag handle, German silver tips and shield, brass lined, half polished, length of handle 3⅛ inches, per dozen..... **$11.00**

No. 2242 Same as No. 2241, except with shell handle, length of handle 3⅛ inches, per dozen... **11.00**

No. 2243 Same as No. 2241, except with stag handle, length of handle 3⅛ inches, per dozen..... **10.00**

No. 344 Two blades and manicure blade, stag handle, German silver tips and shield, brass lined, half polished, length of handle 3¼ inches per dozen..... **$15.00**

No. 349 Three blades, polished stag handle, brass lined, German silver bolsters, length of handle 3 inches. Per dozen **$15.00**

No. 350 Three blades, stag handle, steel bolsters, brass lined, German silver shield, half polished, length of handle 3¼ inches, per dozen..... **$14.00**

No. 351 Three blades, polished, stag handle, iron lining and bolsters, length of handle 3⅛ inches. Per dozen **$13.00**

No. 353 Three blades, stag handle, steel bolsters, brass lined, half polished, length of handle 3 inches. Per dozen **$16.00**

No. 354 Three blades, stag handle, steel bolsters, brass lined, German silver shield, half polished, length of handle 3½ inches, per dozen..... **$17.00**

POCKET KNIVES

CRANBERRY

No. 355P Three blades, polished, pearl handle brass lining, German silver bolsters, length of handle 3 inches, per dozen.....**$20.00**

No. 356P Three blades polished, pearl handle, brass lining, German silver bolsters, length of handle 3½ inches, per dozen.....**$36.00**

No. 357 Three blades polished, stag handle, brass lining, German silver bolsters, length of handle 3⅝ inches, per dozen.....**$16.00**

No. 359P Two blades and manicure blade pearl handle, German silver bolsters and shield, brass lined, half polished, length of handle 3¼ inches, per dozen....**$24.00**

No. 360 Three blades, polished, stag handle, brass lining, German silver bolsters, length of handle 3½ inches, per dozen.....**$15.00**

No. 400P Three blades and manicure blade pearl handle, steel bolsters, brass lining, half polished, length of handle 3 inches, per dozen.....**$20.00**

No. 404P Four blades, polished, pearl handle, brass lining, German silver tips, length of handle 3 inches. Per dozen.....**$24.00**

No. 405P Three blades and manicure blade, pearl handle, steel bolsters, brass lined, half polished length of handle 3¼ inches, per dozen.....**$22.00**

No. 450 Four blades, stag handle brass lined German silver shield, half polished, length of handle 3¼ inches, per dozen **$17.00**

No. 451 Three blades and manicure blade, stag handle, steel bolsters, brass lined, half polished, length of handle 3¼ inches per dozen **$14.00**

No. 452P Four blades polished, pearl handle brass lining German silver bolsters, length of handle 3½ inches per dozen, **$24.00**

COMMUNITY SILVER

Sheraton

No.	MISCELLANEOUS	Dozen Price
	Sugar Tong	
	Tea Spoon	
	Bon Bon Spoon	
	CARVERS—FIRE EDGE	
	Cheese Knife	
	Fish Knife	
	KNIVES—HOLLOW HANDLE	
9611	Medium	7.00
9612	Dessert	9.00
9613	Medium Cream	7.00
9614	Dessert Cream	8.00
9615	Fruit	10.00
9616	Cheese	4.00
9617	Ice Cream	16.00
9618	Ice Cream Individual	6.00
9619	Oyster Server	6.00
9620	Cake Server	8.00
9643	Fish Individual	5.00

Sheraton

No.	FORKS—HOLLOW HANDLE	Dozen Price
9613	Medium	bag $7
9614	Dessert	bag
9641	Cold Meat	
9642	Pickle	bag
9643	Fish	bag
	CARVERS	
	Small, 1A	
	Large	
	CARVERS—HOLLOW HANDLE	
1	Cheese	
	KNIVES—SOLID HANDLE (EMBOSSED)	
15	Medium	
16	Dessert	
9 1	Master Butter Spreader	
	Fish	

* NOT ILLUSTRATED

FANCY WOOD PLANES

NOTE—When Ordering Planes on This Page Give Both Number and Size

OHIO TOOL CO.

Beechwood, Plain Finish, Forged Tool Steel Cutters, Tempered, Ground and Polished; Ready for Use

RABBET PLANES

Used for Rabbeting all Kinds of Work to Secure a Tight Joint

No. 110F SKEW RABBET

Length 7½ inches

Width Cutter, In.	⅛	¼	⅜	½	⅝	¾	⅞	1	1¼	1½	2
Weight Each lbs.	¾	¾	¾	1	1¼	1¼	1½	1¾	2	2¼	2½
Each	$1 20	1 20	1 20	1 20	1 20	1 20	1 40	1 50	1 60		

JACK RABBET

With Handle and Two Spur Cutters. Length 18 inches

Each

No. 118F —With Centered Handle; Cuts 1⅛, 1¾ 2 in. $3 50

No. 118½F—With Handle Set to One Side; Cuts 1¾, 1⅞, 2 inches 3 60

Weight about 9½ lbs.

No. 83F

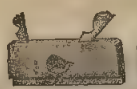
FILLISTER

For Rabbeting where Accurate Depth and Width are Required. Cuts Any Desired Width up to 1⅛ inches 9½ inches Long.

Each

No. 83F—With Brass Side Stop and Spur Cutter $5 00

Weight about 8½ lbs.



No. 47F

No. 48F

DADO

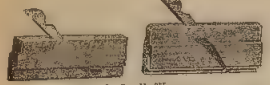
For Grooving, with Spur Cutter and Depth Gauge, Length 9½ inches.

Each

No. 47F—With Brass Side Stops, ¼, ⅜, ½, ⅝, ¾, ⅞ inch Cut $3 50

No. 48F—With Brass Screw Stops, ¼, ⅜, ½, ⅝, ¾, and ⅞ inch Cut... 3 80

Average Weight 1¼ lbs.



One Pair, No. 78F

BOARD MATCHING PLANES IN PAIRS

For Tonguing and Grooving Work of Any Kind. The Tonguing Plane Cuts the Tongue and the Matching Plane Fits the Groove. Without Handles or Side Plates, Separate Per Pair

No. 78F—Cutter 1⅝, ⅞, ¾, ⅝, 1 inch; 9½ inches Long. Average Weight per Pair 2¾ lbs. $3 00

One Pair Wrapped in Paper

No. 90F

NOSING

No. 91F

Just Rounding the Edges of Steps, etc.

	No. 90F—One Iron	
Width of Cutter, Inches	¾	1
Weight Each lbs.	1	1½
Each	$1 70	$ 90
	No. 91F—Two Irons	
Width of Cutter, Inches	¾	1
Weight Each, lbs.	1¾	2½
Each	$2 50	$ 60

	1¼	1½	1¾	2
	1½	1¾	2	2½
	$2 70	$2 80	$2 90	$3 00
	1¼	1½	1¾	2
	2½	3	3½	4
	$3 50	$3 60	$3 70	$3 80

No. 101F

PANEL PLOW

For Grooving for Panels; Adjustable to Depth, with Handle and Nickel Plated Stop Screw and 8 Cutters, One Each ¼, ⅜, ½, ⅝, ¾, ⅞, 1 inch

Each

7-16, 15, 14 $12 50

No. 99½F—Beechwood Arms, Not Bented. 13 00

No. 101F—Boxwood Arms, Bented Pattern

Weight Each 8½ lbs.

Each Plane Wrapped in Paper

TOOTH

Used by Furniture Makers, Cabinet Makers and Desk Manufacturers, as well as a Job Shaver, for Scratching or Roughing Work to Close with. Takes a Fine Bield

Each

No. 36F—Single Iron, 2¼ inch Cut, 7 inches Long $2 50

Weight Each 1½ lbs.

FANCY WOOD PLANES

NOTE—When Ordering Planes on This Page Give Both Number and Size

OHIO TOOL CO.

Beechwood, Plain Finish, Forged Tool Steel Cutters, Tempered, Ground and Polished, Ready for Use

BEADING PLANES

For Cutting Bead on Wainscoting or Other Work

Length 9½ inches

No. 37F Single Bead

SIDE BEAD

No. 38F—Double Bead

Width Cutter, Inches	3-16	¼	5-16	⅜	½	⅝	Width Cutter, Inches	¼	5-16	⅜	½
Each	$1 00	1 00	1 00	1 00	1 00	1 20	Each	$1 20	1 20	1 20	1 20
							Average Weight, lb.				

MOULDING PLANES

For Cutting Mouldings for Window Casings, Baseboards and Special Work

No. 43½F—QUARTER ROUND OR SCOTIA

Width Cutter, Inches	⅝	¾	1
Each	$1 00	1 10	1 40

Average Weight 1¾ lbs.

Loose; Wrapped in Heavy Paper

COMPARATIVE LIST OF WOOD PLANES

Showing Corresponding Numbers of Leading Manufacturers to Our Stock of Standard Planes

KIND	Shapleigh Hardware Co.	Ohio Tool Co.	Auburn Tool Co.	H Chapin's Sons	Sandusky Tool Co.	Sargent & Co.
Smooth, Single Iron	83	1	1	101	1	604
Smooth, Double Iron	83	2	2	112	3	612
Smooth, Handle	58	5	7	113½	8	613½
Jack, Single Iron	84½	12	9	105	10	805
Jack, Double Iron	84½	13	13	119	18	813
Jack, Razee Double	84½	17	10	113½	13	613½
Fore, Double Iron	85½	21	20	118	28	614
Fore, Handle Iron	85F	27	21x23	115	26	618
Tooth, Single Iron	86F	30	190	400	38	903
Tooth, Double Iron	87F	37	197	125	47	620
Bead, Single Bevel	88F	98	166	134	68	624
Bead, Double Bevel	89F	103	155½	217½	64½	717½
Casing	83½	43½	153	217	54	711
Scotia or Quarter Round	87F	47	170	226	60	633
Dado, Side Set	93F	68	177	148	62	639
Dado, Screw Stop	93F	69	119	148	67	648
Fillister Side Set	84F	50	124	180	69	650
Fillister Screw Stop	86F	59				
Common Ogee	96½F	62½	126½	207½	83½	707½
Reverse Ogee	95½F	63½		208		
Halfrou and Rounds	70F	72	189	163	92	665
Beehive and Rounds	70F	73	180	167	91	663
Match	70F	74	72	171	99	671
Nosing, One Iron	90F	90				
Nosing, Two Irons	91F	91	188	172	113	632
Panel Plow	98½F	96½	207	208	119	724
Panel Plow	101F	101	94	236	124	726
Rabbet Skew	110F	110	187	187	146	607
Rabbet, Jack	118F	119	51-58	180	149	659
Rabbet, Jack	119F	119½	58-58	189	149	660

ADJUSTABLE BENCH PLANES

*BRIDGE TOOL CO.

This Cutter Used in this Line of Planes is of the Finest Tool Steel, Properly Tempered, Honed and Fitted. Works Equally Well in Hard and Soft Wood. The Face of the Plane is Made Perfectly True

IRON PLANES

Best Quality Cast Iron Parts. Ground Face and Sides. Japanned Inside. Varnished Hardwood Handle and Knob. Brass Adjusting Screw, Lateral and Longitudinal Adjustments.

PLAIN BOTTOM

SMOOTH

	Each
No. BX3—7 in. Long, 2 in. Cut, Wt. 4½ lbs.	$2 30
No. BX3—8 in. Long, 1¾ in. Cut, Wt. 3½ lbs.	2.00
No. BX4—9 in. Long, 2 in. Cut, Wt. 3½ lbs.	2.00

JACK

	Each
No. BX5—14 in. Long, 2 in. Cut, Wt. 12½ lbs.	$3 30
No. BX5½—15 in. Long, 2¼ in. Cut, Wt. 13½ lbs.	3.75

FORE

	Each
No. BX6—18 in. Long, 2¾ in. Cut, Wt. 16½ lbs.	$4 20

JOINTER

	Each
No. BX7—22 in. Long, 2¾ in. Cut, Wt. 18½ lbs.	$4 80
No. BX8—24 in. Long, 2¾ in. Cut, Wt. 20 lbs.	5 00

One in a Box.

CORRUGATED BOTTOM

The Corrugated Bottom Lessens Friction and Makes an Easier Running Tool Than the Smooth Bottom Plane.

SMOOTH

	Each
No. BX3C — 7 in. Long, 1¾ in. Cut, Wt. 2½ lbs.	$2 30
No. BX3C — 8 in. Long, 1¾ in. Cut, Wt. 2½ lbs.	2.00
No. BX4C — 9 in. Long, 2 in. Cut, Wt. 3½ lbs.	2.00
No. BX5½C—15 in. Long, 2¼ in. Cut, Wt. 13½ lbs.	3.75

JACK

	Each
No. BX5C — 14 in. Long, 2 in. Cut, Wt. 11½ lbs.	$3 30
No. BX6C—18 in. Long, 2¾ in. Cut, Wt. 16½ lbs.	4.20

FORE

	Each
No. BX6C—18 in. Long, 2¾ in. Cut, Wt. 16½ lbs.	$4 20

JOINTER

	Each
No. BX7C—22 in. Long, 2¾ in. Cut, Wt. 18½ lbs.	$4 80
No. BX8C—24 in. Long, 2¾ in. Cut, Wt. 20 lbs.	5 00

One in a Box.

WOOD BOTTOM

Adjustable Wood Bottom Planes with Iron Tops; Selected Beech Bottoms, Handle and Knob; Japanned Cast Iron Top

UNHANDLED SMOOTH

	Each
No. BX23—8 inches Long, 1¾ inch Cut, Wt. 2 lbs.	$1 70
No. BX24—9 inches Long, 2 inch Cut, Wt. 3 lbs.	1 70
No. BX24—9 inches Long, 2 inch Cut, Wt. 3 lbs.	1 70

HANDLED SMOOTH

	Each
No. BX25—9 in. Long, 2 in. Cut, Wt. 3½ lbs.	$2 00
No. BX26—10 in. Long, 2¼ in. Cut, Wt. 4½ lbs.	2.25

JACK

	Each
No. BX26—15 in. Long, 2 inch Cut, Wt. 13½ lbs.	$1 20
No. BX27—15 in. Long, 2½ inch Cut, Wt. 13½ lbs.	2.10

FORE

	Each
No. BX28—18 in. Long, 2¾ in. Cut, Wt. 16½ lbs.	$2 20
No. BX29—20 in. Long, 2¾ in. Cut, Wt. 18½ lbs.	2 20

One in a Box

JOINTER

	Each
No. BX27—24 in. Long, 2½ in. Cut, Wt. 20½ lbs.	$2.60
No. BX32—26 in. Long, 2½ in. Cut, Wt. 22½ lbs.	2.80
No. BX33—28 in. Long, 2½ in. Cut, Wt. 24½ lbs.	2.90

One in a Box

IRON BLOCK LANES

*BRIDGE TOOL CO.

Best Quality Cast Iron Body and Cap; Tool Steel Cutters, Tempered, Ground and Polished

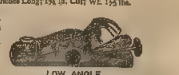
ADJUSTABLE THROAT

Machined and Polished Cast Iron Face and Sides, Ground Face and Sides. Japanned or Nickel Plated Cap and Inside. Brass or Nickel Plated Adjustment Screws.

Throat Can be Quickly Opened or Closed for Coarse or Fine Work. Sides are Depressed to Give Firm Grip Hold on Tool. Lateral and Longitudinal Adjustment. Japanned Inside and Cap; Polished Bottom and Sides; Brass Adjusting Screws

	Each
No. BX34—6 inches Long; 1¾ inch Cut; Weight 1¼ lbs.	$1 20
No. BX15—7 inches Long; 1¾ in. Cut; Wt. 1¾ lbs.	$1 35

KNUCKLE JOINT



LOW ANGLE

Japanned Top; Polished Face and Sides; Nickel Plated Brass Adjusting Nuts. Nickel Plated Screws and Trimmings, Japanned Inside of Frame; Ground and Polished Face and Sides. Lateral and Longitudinal Adjustment.

	Each
No. BX18—6½ in. Long; 1¾ in. Cut; Wt. 1¾ lbs.	$3.50
No. BX60—6 inches Long; 1¾ inch Cut; Wt. 1¼ lbs.	$3.60
No. BX65—7 inches Long; 1¾ inch Cut Wt. 1¾ lbs.	3.60

One in a Box

PLAIN THROAT

Cast Iron Body and Cap; Tool Steel Cutter; Tempered, Ground and Polished

TOY SIZES

For Amateurs Use and Boys Tool Chests. All Japanned, Ground Face and Blade

WITHOUT HANDLE

WITH HANDLE

	Each
No. BX101—3½ inches Long 1 inch Cut. Weight ¾ lb.	$0.30
No. BX100—4½ inches Long 1 inch Cu. Weight ¾ lb.	$0.36

NON-ADJUSTABLE

Blade Secured or Released by Turning Thumb Wire

With Beech-wood Knob

	Each
No. BX102—6½ inches Long; 1¾ inch Cut; Weigh 2¼ lbs.	$0.40
No. BX110—7½ inches Long, 1¾ in. Cu. Wt. 2½ lbs.	$0.60

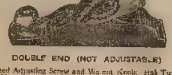
ADJUSTABLE

Blade Secured or Released by Turning Thumb Wheel Longitudinal Adjustment at Cutter

LEVER ADJUSTMENT

SCREW ADJUSTMENT

	Each
No. BX136—8½ inches Long; 1¾ inch Cut; Wt. 2 lbs.	$0.63
No. BX[illegible]—7½ in. Long; 1¾ in. Cut, Wt. 1¾ lbs.	$0.75



DOUBLE END (NOT ADJUSTABLE)

Japanned Frame and Trimmings. Nickel Plated Adjusting Screw and Wing Nut. Knob Has Two Slots and a Movable Cutter Seat. Cutter can be Removed and Seat Reversed when it is Desired to Use the Tool as a Jointing Plane when Working up to Wide or Into Corners.

	Each
No. BX120—8 inches Long; 1¾ inch Cut. Weight 2 lbs.	$2.40

One in a Box

"DIAMOND EDGE IS A QUALITY PLEDGE"

PLANE HANDLES

FOR WOOD PLANES

Per Dozen

No. 19—For Jack Planes; Plain Finished Beechwood, Weight 3 lbs. Dozen $1 80

One Dozen in a Box

FOR WOOD PLANES

Per Dozen

No. 23—For Fore and Jointer Planes; Plain Finished Beechwood; Weight Dozen, 4½ lbs. .. $1 80

One Dozen in a Box

FOR WOOD BOTTOM IRON PLANES

Plain Finished Beechwood

Per Dozen

No. 35—For Smooth Planes, All Sizes $2 50

No. 36—For Jack, Fore and Jointer Planes, All Sizes 2 50

Weight per Dozen 2 lbs.

One Dozen in a Box

FOR ALL-IRON PLANES

Rosewood Famous Handle

Per Dozen

No. 4—For Bailey, No. 4 and Diamond Edge, No. DE4 Smooth Planes $4 50

No. 5—For Diamond Edge, Bailey and Bed Jack, Fore and Jointer and for Bed Smooth Plane, No. 4 3 50

Weight per Dozen 2 lbs.

One Dozen in a Box

★FOR DIAMOND EDGE IRON PLANES

Black Composition Rubber

Per Dozen

No. DE3 For No. DE3 Plane $5 00

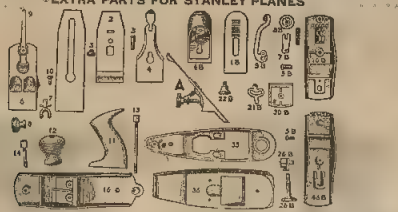
No. DE4 —For No. DE4 Plane. 6 50

No. DE4½—For New DE4½, DE5, DE6, DE7 and DE8 Planes. 5 50

Weight per Dozen 2½ lbs.

One Dozen in a Box

★EXTRA PARTS FOR STANLEY PLANES



In Ordering Always Give the Number and Name of the Plane for which the Part is Wanted, as Well as the Number of the Part Required. Ten Cents will be the Minimum Charge for Parts Sent by Mail.

FINISHED PARTS FOR BAILEY BENCH PLANES

Fig. 1—Plane Iron (Top Iron)
Fig. 2—Plane Iron Screw
Fig. 3—Cap
Fig. 4—Cap Screw
Fig. 5—Frog Set
Fig. 6—Frog Adjustment
Fig. 7—Frog Adjusting Nut
Fig. 8—Brass Adjusting Nut
Fig. 9—Lateral Adjustment
Fig. A—Frog Complete
Fig. 10—Frog Screw
Fig. 11—Handle
Fig. 12—Knob
Fig. 13—Handle Bolt
Fig. 14—Knob Bolt
Fig. 15—Handle Screw
Fig. 16—Bottom Iron Plane
Fig. 25—Top Casting, Wood Plane
Fig. 26—Bottom Wood Plane

FINISHED PARTS FOR BLOCK PLANES

The Letter B Follows the Number of Parts for Block Planes

Fig. 1B—Plane Iron
Fig. 3B—Cap
Fig. 4B—Cap Screw
Fig. 7B—Adjusting Lever
Fig. 8B—Adjusting Nut
Fig. 9B—Lateral Adjustment
Fig. 10B—Bottom Adjustable Throat
Fig. 20B—Mouth Piece
Fig. 21B—Eccentric Plate
Fig. 22B—Knob
Fig. 23B—Adjustable Peg
Fig. 27B—Adjustable Screw
Fig. 26B—Bottom

Items Marked ★ Not Carried in Stock; Can Only be Furnished by Shipping Direct from Factory F. O. B. New Britain, Conn.

PLANE IRONS

In Ordering Plane Irons Always Give the Make and Number of Plane for Which they are Wanted

★DIAMOND EDGE

FOR ALL-IRON AND WOOD BOTTOM BENCH PLANES

Highest Grade English Tool Steel, Especially Selected for Diamond Edge Planes; Oil Tempered, Ground and Hand Sharpened; Extra Heavy Bit; Full Polished.

No. DES—SINGLE CUT IRONS

Cut, Inches	1⅝	1¾	1⅞	2	2⅛	2¼	2⅜	2½
Wt. Doz. Lbs.	2½	2¾	2¾	3¼	3⅝	3⅞	4⅛	4½
Per Dozen	$3.00	3 00	4 00	4 00	4 00	4 50	5 00	5 00

No. DED—DOUBLE IRONS

Cut, Inches	1⅝	1¾	1⅞	2	2⅛	2¼	2⅜	2½
Wt. Doz. Lbs.	3½	4	4½	4½	5	5	7	7½
Per Dozen	$5 00	6 00	6 00	7 00	7 00	8.00	8 00	8.00

Half Dozen in a Wood Box

FOR WOOD BENCH PLANES

Highest Grade English Tool Steel, Especially Selected for Diamond Edge Planes. Oil Tempered, Ground and Hand Sharpened; Extra Heavy Bit; Full Polished

No. DSW—SINGLE CUT IRONS

Cut, Inches	2	2⅛	2¼	2⅜	2½	2⅝
Weight, Dozen, Lbs.	6½	7	8	9	9½	10
Per Dozen	$5.00	6 00	6.00	8 00	8.00	9.00

No. DDW—DOUBLE IRONS

Cut, Inches	2	2⅛	2¼	2⅜	2½	2⅝
Weight, Dozen, Lbs.	11½	12	13	14	15½	16½
Per Dozen	$11 50	12 00	12 70	13 50	14 00	17 00

Half Dozen in a Wood Box

★BRIDGE

FOR WOOD BENCH PLANES

High Grade Crucible Steel Bit, Soft Steel Body; Oil Tempered, Ground and Hand Sharpened; Heavy Bit, Full Polished

No. BSW SINGLE CUT IRONS

Cut, Inches	2	2⅛	2¼	2⅜	2½	2⅝
Weight, Dozen, Lbs.	6½	7½	8	8½	9½	10
Per Dozen	$5 00	6 00	6 00	7 00	8 00	9 00

No. BDW—DOUBLE IRONS

Cut, Inches	2	2⅛	2¼	2⅜	2½	2⅝
Weight, Dozen, Lbs.	11	12	13	14	14½	14½
Per Dozen	$11 50	12 00	12 70	13 50	14 00	17 00

Half Dozen in a Wood Box

STANLEY

FOR ALL-IRON AND WOOD BOTTOM BENCH PLANES

Extra Quality Cast Steel, Perfectly Tempered, Ground and Polished

No. BS—SINGLE IRONS

Cut, Inches	1⅝	1¾	1⅞	2	2⅛	2¼	2⅜	2½
Weight, Dozen, Lbs.	2¾	2¾	2⅞	3	3½	3½	4	4½
Per Dozen	$4 00	5 00	5 00	5.50	6 00	6 00	6 00	7 00

No. BD—DOUBLE IRONS

Cut, Inches	1⅝	1¾	2	2⅛	2¼	2⅜	2½
Wt. Doz. Lbs.	5	5	6	6	7	7½	7½
Per Dozen	37 50	8 00	8 00	9 50	10 00	12 00	10 50

Half Dozen in a Box

FOR PLANES

	Per Dozen
No. BF—For Planes Nos. 9½, 9¾, 15, 15½, 16, 17, 18, 19, 181 and 225 Planes	$3 00
No. BX—For Plane No. 220	3 00

"DIAMOND EDGE IS A QUALITY PLEDGE"

STANLEY FANCY PLANES

ADJUSTABLE PLOW FILLESTER AND MATCHING PLANE
Nickel Plated with Rosewood Handles

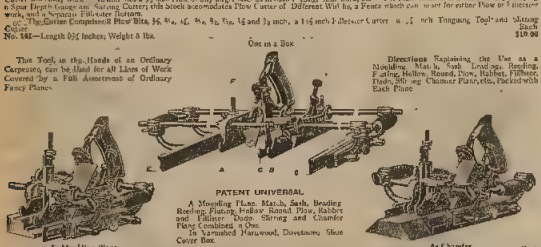
This Plane has two Interchangeable Front Parts that make it either an ordinary Plow or Ball Nose Plane. With the Ball Nose attachment the Cutter will easily work to within 1/16 inch Hole or any longer mark as in Rabbet Work. Scale work, etc. The Plow consists of a Main Stock, Carrying a Spur Depth Gauge and Slitting Cutter; this stock accomodates Plow Cutter of Different Width, and can be used for either Plow or Fillester work, with a Separate Fillester Bottom.

No. 582—The Combination Complement Plow Plane, 3/16, 5/16, 7/16, 9/16, 11/16 and 13/16 inch, 1 1/16 inch Fillester Cutter, 1 inch Tonguing Tool and Slitting Cutter. Each $19 00

One in a Box

This Tool, in the Hands of an Ordinary Carpenter, can be Used for all Lines of Work Covered by a Full Assortment of Ordinary Fancy Planes.

Directions Explaining the Use as a Moulding, Match, Sash, Beading, Reeding, Fluting, Hollow, Round, Plow, Rabbet, Fillester, Dado, Sticking, Chamfer Plane, etc., Packed with Each Plane

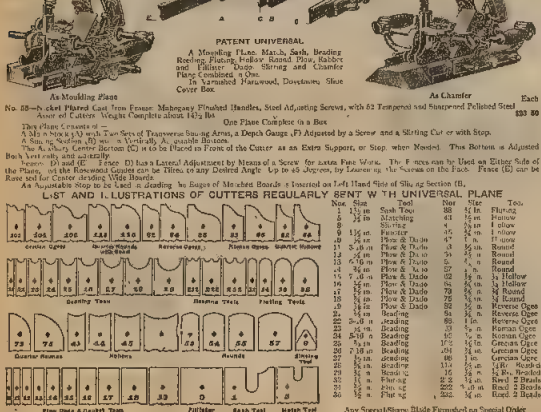

PATENT UNIVERSAL
A Moulding Plane, Match, Sash, Beading, Reeding, Fluting, Hollow, Round, Plow, Rabbet and Fillister Dado, Sticking and Chamfer Plane Combined in One.
In Varnished Rosewood, Dovetailed Slide Cover Box.
As Moulding Plane
As Chamfer

Each
No. 55—Nickel Plated Cast Iron Frame, Mahogany Finished Handles, Steel Adjusting Screws, with 62 Tempered and Sharpened Polished Steel Assort ed Cutters. Weight Complete about 14½ lbs $33 80

One Plane Complete in a Box

This Plane Consists of a Main Stock (A) with Two Sets of Transverse Sawing Arms, a Depth Gauge (F) Adjusted by a Screw and a Slitting Cut er with Stop.
A Sawing Section (B) moves Vertically, Adjustable Bottom.
The Auxiliary Center Section (C) is to be Placed in Front of the Cutter as an Extra Support, or Stop when Needed. This Bottom is Adjusted Both Vertically and Laterally.
Tongues (D) and (E) Fence (D) has a Lateral Adjustment by Means of a Screw for Extra Fine Work. The Fences can be Used on Either Side of the Plane, and the Rosewood Guides can be Fitted to any Desired Angle Up to 45 Degrees, by Loosen ng the Screws on the Face. Fence (E) can be Reve sed for Center Bedding Wide Boards.
An Adjustable Stop is to be Used in Beading the Edges of Matched Boards a Inserted on Left Hand Side of Sliding Section (B).

LIST AND ILLUSTRATIONS OF CUTTERS REGULARLY SEW TH UNIVERSAL PLANE



Nos.	Size	Tool	Nos.	Size	Tool
1	1/16 in	Sash Tool	101	1/8 in	Fluting
2	1/16 in	Matching	61	1/8 in	Hollow
3	1/16 in	Sinking	4	1/8 in	Hollow
4	1/16 in	Fillister	45	1/8 in	Hollow
10	1/8 in	Plow & Dado	47	1 in	Hollow
11	3/16 in	Plow & Dado	48	1/8 in	Round
12	1/4 in	Plow & Dado	50	1/8 in	Round
13	5/16 in	Plow & Dado	5	1/8 in	Round
14	3/8 in	Plow & Dado	52	1 in	Round
15	7/16 in	Plow & Dado	62	1/8 in	1/8 Hollow
16	1/2 in	Plow & Dado	82	1/8 in	1/8 Hollow
17	5/8 in	Plow & Dado	72	1/8 in	1/8 Round
18	3/4 in	Plow & Dado	78	1/8 in	1/8 Round
19	7/8 in	Plow & Dado	86	1/8 in	Reverse Ogee
20	1/8 in	Beading	84	1/8 in	Reverse Ogee
21	3-16 in	Beading	88	1/8 in	Reverse Ogee
22	1/4 in	Beading	13	1/8 in	Roman Ogee
23	5/16 in	Beading	15	1/8 in	Roman Ogee
24	3/8 in	Beading	16	1/8 in	Grecian Ogee
25	7/16 in	Beading	17	1/8 in	Grecian Ogee
26	1/2 in	Beading	64	1/8 in	Gothic Ogee
27	5/8 in	Beading	66	1 in	Gothic Ogee
28	3/4 in	Beading	110	1/8 in	1/8 Bead
29	7/8 in	Beading	112	1/8 in	1/8 Bead
30	1/8 in	Fluting	2 2	1/8 in	Bead 2 Beads
31	3/16 in	Fluting	222	1/8 in	Bead 2 Beads
36	1/8 in	Flut ng	322	1/8 in	Bead 2 Beads

Any Special Shape Blade Furnished on Special Order

"DIAMOND EDGE IS A QUALITY PLEDGE"

STANLEY FANCY PLANES

WOOD WORKERS HANDY ROUTER

Nickel Plated Cast Iron Frame and Mountings, Polished Tool Steel Blade, Polished Rosewood Knobs; for Smoothing the Bottom of Grooves, Bits can be Changed to the Back Side of the Upright Post and Outside the Stock for Planing into Corners or to Rout out Mortises

Length 7¾ inches, with One Bit, each ¼ and ½ inch

	Each		Each
No. 71½—Closed Throat, 2x1¼ inch Opening; Weight 2¾ lb	$5 00	No. 71—Open Throat, Plain Open ng Clears Shavings Readily; the Open ng is not Big Enough to Clog and Prevent Splitting or Tearing of Work; Weight 2¾ lbs	$5 00

Cast Iron Frames, Caps and Handles; Tempered and Polished Tool Steel Cutters, Polished Spring Steel Bottom; Screw and Lever Adjustments, for Concave or Curves Surfaces.

VICTOR CIRCULAR	Each	STANLEY CIRCULAR	Each
No. 39½—Japanned, 7½ inches Long; 1⅝ inch Cut	$5 00	No. 113—Japanned; 10 inches Long; 7⅝ inch Cut, Weight 3⅝ lbs	$6 50
No. 59 —Nickel Plated, 9½ inches Long; 1¾ inch Cut Weight 4 lbs	5 70	By Means of the Graduated Scale on the Cast s, the Face can be Accurately Set to Work on Any of the Same Cuts Both Concave and Convex, by Turning a Screw on Front of the Plane.	

One in a Box

HAND BEADERS

UNIVERSAL

Nickel Plated Cast Iron Frame and Handles; Tempered and Polished Tool Steel Blades, Fitted with Gauges for Cut or Cord Work. For Beading, Reeding or Planing Straight or Irregular Surfaces and for all Bands of Each Row ng.

Per Dozen

No. 68—With 6 Blades, Cut as Both Ends, ⅛ to ⅜ inch Cut, Cut s, Plain, ½ inch Wide; Length Over All 11¾ inches; Weight Each 1¼ lb; Weight per Dozen 16 lbs $18.00

SINGLE HANDED

*Nickel Plated Cast Iron Frame and Socket, Polished Maple Handle, Polished Tool Steel Blades

For Beading, Reeding or Planing Diagonal Lines. Per Dozen

No. 69—With 6 Blades, Cut as Both Ends, ⅛ to ⅜ inch Cut, and 1 Blade ½ inch Wide; Length Over All 8¾ inches; Weight Each 1 lb; Weight per Dozen 9½ lbs $12 00

One in a Box

CORNERING TOOLS

Polished Tool Steel

For Use of Woodworkers in Beveling Edges, Inlaying Stair Cutters, in Cornering Joints, Requires no Proper Gauge, as Form of Tool Allows it to Cut Only to a Certain Depth.

Nos.	28	99
Size Cut,	Assorted Ty	¼ and ⅜
Length, Inches	5⅝	5⅜
Weight per Doz, lbs	1½	1¼
Per Dozen	$4 50	3 80

Half Dozen in a Box

STANLEY FANCY PLANES

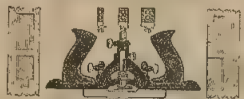
No 95

EDGE TRIMMING PLANE

Designed especially for Trimming or Smoothing the ends of Boards, such as Sidings, etc., for a square or close fit. It has a right angle Rest or Guide from the Cutter Edge and the Cutter works on a Skew giving an easy slicing cut. In the [illegible] guide are Two Screw Holes to [illegible] Wood Blocks of various Bevels may be attached enabling the user to make a slanting cut.

No. 95—6 inches Long, [illegible] inch Cutter, Japanned, Weight [illegible] Each $1 70

One in a Box.



No. 171

DOOR TRIM PLANE

This new Plane will make Mortises for Butts, Face Plates, Strike Plates, Escutcheons, etc., up to a depth of [illegible] and a width of [illegible] inches. [illegible] original feature is the method of Mounting the Cutter, which can [illegible] end of the Plane [illegible] cushioned by a Spring, which prevents taking a heavier [illegible] the Cut being [illegible]. The depth of the Cut is [illegible].

By removing the Fence and locking the Cutter [illegible] Screw instead of using the Spring, a very [illegible] Plane is obtained. The bottom is designed so that an extra wooden bottom of any size desired can be screwed on, enabling the user [illegible].

The two Handles as shown in the illustration are of Rosewood, and three Forged Steel Cutters, [illegible] and [illegible] inches wide are furnished with the Tool.

No. 171—11½ inches Long, Japanned, Weight 3½ lbs. Each $4 50

One in a Box

FLOOR PLANES

STANLEY ADJUSTABLE LONG HANDLE

This Tool will be Found Useful for Planing Floors, Bowling Alleys, Seating Rooms, Decks of Vessels, etc. The Construction of the Plane will Enable the User to do More Work, and with Less Outlay of Strength, than can be Done with an Ordinary Plane.

Polished Face, Japanned Bed, Nickel Plated Knob and Lever Screw; Steam Bent [illegible] Handle, Adjustable to Any Angle.

No. 74—Width of Cut 2[illegible] inches, Length 10¼ inches, Length of Handle 45 inches, [illegible] to End of Handle 35 inches; Weight [illegible] lbs. Each $8 00

STANLEY ADJUSTABLE TILLER HANDLE

The Projection of the Nose Gives the Plane a Bearing so it will not Rock at the Heel, and it will Work very Smoothly, Diagonally or Directly Across the Grain of the Floor.

The Tiller Handle is much Easier to Work with than the Handle and Knob on a Regular Smooth Plane.

No. 11¼—Width of Cut [illegible] inches, Length of Base 7[illegible] inches, Length of [illegible] inches, Length Over All 10½ inches, Weight Each 1½ lbs. Each $5 00

One in a Box

SCRAPER PLANES

STANLEY ADJUSTABLE

The No. 112 has a [illegible] handle and knob, having the same form as the regular "Bailey" Plane and is preferred by many users to the [illegible] handle or double grip form of Scraper Plane.

The blades are adjustable endwise and for angle, and can be [illegible]. It can be used as a Finishing Plane, doing excellent work in scraping off old paint or glue, also in roughing up the surface of wood preparatory to veneering, etc.

Cast Iron Frame, Polished Face and Outsides, Japanned Cap and Inside, Brass Adjusting Screw, Rosewood Handle and Knob, Polished Tool Steel Blade.

No. 112—Length 9 in. Width of Scrapers [illegible] ins., Weight [illegible] lbs. Each $3 50

No. EPB—Extra Scraper Blades for No. 112 Scrapers, also Nos. 12 and 12¼ Stanley Veneer Scrapers, Weight [illegible] ozs. 50

No. ETB—Extra Toothed Blades, 22, 28 and 32 Teeth to an inch (Specify Number of Teeth), Weight [illegible] 50

No. 212 is a small handy tool designed to be used with one hand and well adapted for Violin Makers and all Mechanics requiring a light adjustable scraper. It has a rosewood knob but no handle. It also has the "Handy" feature on both sides.

No 212

No. 212—Length [illegible] inches, 1¼ inch Blade, Rosewood Knob Only, Weight 1½ lbs. Each $3 00

One in a Box

FLOOR SCRAPERS

DIAMOND EDGE

This Scraper is intended for use on Large Surfaces. The Knife Scrapes the Floor when the Machine is drawn toward the Operator. Has Adjustable Cross Handle, which allows the [illegible] to Work up [illegible] the Corners. When the Machine is in operation about 85% of the Weight is resting on the Blade; when not in operation the Weight is so perfectly Balanced on the Wheels that the Blade is clear of the Floor.

The Frame is carried on Two Rubber Tired Wheels working independently of each other. Knife is firmly Clamped [illegible] Scraper, which, together with the weight of the Machine, nearly all of which rests on the Knife, prevents Vibration or Chatter doing [illegible] Floor.

Very Strong and Durable Cast Iron Frame, Aluminum Finish, Forged Steel Handle Braces, Varnished Hardwood Handle and Grip, Tempered and Honed Steel Blades.

Complete with Three Curved Scraper Blades; Three Straight Scraper Blades; One No. 2 Burnisher; One DE25 Hand Scraper; One DE3 Wrench; One DE 8 inch Mill File; One DE6 Oil Stone.

No. DE1200—Width of Cut 6 inches; Diameter of Wheels 5 inches; Size of Handle Braces 1[illegible] inches, Length of Handle 38½ inches; Length over all 54 inches; Weight Complete 18½ lbs. Each $21.00

One in a Case

EXTRA BLADES FOR DIAMOND EDGE FLOOR SCRAPERS

	Per Dozen
No. DE1200CB—Curved Blades, Size 6x2½ inches, Weight per Dozen 2½ lbs.	$8 50
No. DE1200SB—Straight Blades, Size 6x2½ inches; Weight per Dozen 3½ lbs.	6 00

Loose

FOX

The Knife Scrapes the Floor when the Machine is Drawn Toward the Operator. When in Operation about 85% of the Weight is Resting on the Blade. When not in Operation the Weight is Perfectly Balanced on the Wheels with the Blade [illegible] of the Floor.

The Frame is Carried on Two Rubber Tire Wheels Working Independently of Each Other, and a Third Wheel [illegible] on Back [illegible]. A Rubber Pad Just Back of the Knife [illegible] Chattering [illegible] Cross the Grain of Wood. A Polishing Knife is Furnished to Take the Place of a Sanding Device. [illegible] Better and Faster than Could be Done with a Sander.

One Man Can Scrape on an Average of [illegible] to 1200 Square Feet of a Hard Wood in a Day of 8 Hours.

Japanned Cast Iron Frame; Steel Fenders, Forged Steel Handle Braces; Hardwood Handle and Grip; Rubber Tired Rollers; Tempered and Honed Tool Steel Blades.

No. F—Width of Cut 8[illegible] inches; Diameter of Wheels [illegible] inches; Size of Handle Braces 1[illegible] inch; Length of Handle 40 inches; Length Over All 57 inches; with 4 Cutting Knives, 3 Roughing Knives, a Polishing Knife, an Oil Stone, a Filing Clamp, Burnishing Tool, Mill File and Wrench; Weight [illegible] lbs. Each $38 00

One in a Case

EF8—Extra Blades for No. F Fox Floor Scrapers; Eight Blades in a Set, Weight per Set 1½ lbs. Per Set $5.50

LITTLE GIANT

The Knife Scrapes the Floor when the Machine is [illegible] Toward the Operator. A Shaving about 2 Inches Wide and 3 Feet Long is Removed with Each Stroke. The Knife [illegible] in the Machine and [illegible] Scraper Right Up to the Baseboard.

Japanned Cast Iron Frame; [illegible] Finish [illegible] Handle, Rubber Tire Rollers; Tempered, Honed and Polished Tool Steel Blades, with Convex Cutting Edge.

No. 2—Width of Cut 7½ inches; Diameter of Large Roller 8 inches; of Small Roller 3[illegible] inches; Length of Handle 37½ inches; Length Over All 56 inches; Complete with 6 Knives, Wrench, Burnishing Tool and Oil Stone; Weight Each about 40 lbs. Each $60.00

One in a Case

No. EG6—Extra Blades for No. 2 Little Giant Floor Scraper; Six Blades in a Set; Weight per Set 1 lb. Per Set $7.00

FLOOR SCRAPERS

FOX

The Scraper is Balanced so that the Weight over the Blade, where it should be when Scraping, and cannot get out of Balance. The Wheels are set in so that the Blade will Cut Close to Baseboards and Into Corners. A Rubber Pad is placed over the Blade, which prevents chatter-ing or scratching, and protects the Floor when going over Rough or Knotty Places. Frame is of Iron and Rubber Tires. Wheels working independently, can ride over Inequalities.

Very strong and Durable. Cast Iron Frame, Pressed Steel Forged Steel Handle Bracket. Works Equally Well on all Hardwood Flooring, and is well Adapted to Scraping all Floors

Each

No. F6—Width of Cut 6 inches; Diameter of Wheels 4½ inches. Size of Handle Brace 19x1½ inches. Length of Handle 35 inches. Length over all 40 inches. 9 Regular Cutting Knives, size 2x3 inches. 1 Hone. 1 Burnishing Steel. 1 Wrench. 1 Pin and 1 Ring Blade. 1 Form for Holding Blades when Re-sharpening. Weight Each about 90 lbs. $30.00

One in a Case

BURNISHERS OR SCRAPER STEELS

DISSTON

For Finishing the Edge on all Scraper Blades, and for Putting a Keen Edge on Chisels, Plane Irons, etc.

Per Dozen

No. 1—Oval, Crucible Steel, Tempered and Polished Blade, 16 inches wide, 6½ inches long, 1 hardwood Handle with Nickel Plated Ferrule. Length Over All 9 inches. Weight per Dozen about 24 lbs. $4.00

Per Dozen

No. 3—Round, Crucible Steel, Tempered and Polished Blade, 16 in. Thick, 4½ inches long. Hardwood Handle with Nickel Plated Ferrule. Length Over All 9 inches. Weight per Dozen about 2 lbs. $4.00

Per Dozen

No. 4—Square, Crucible Steel, Tempered and Polished Blade, 14 inch Thick, with Round Point Tapered to 1 inch from Tip. Hardwood Handle, with Nickel Plated Ferrule. Length Over All 9 inches; Weight per Dozen about 2 lbs. $4.50

Half Dozen in a Box

FLOOR AND CABINET SCRAPERS

*DIAMOND EDGE

These Scrapers are Provided with Hand Rests which Relieve the Strain on Wrist and Arm. These Hand Rests give Proper Spread to the Hands and Greatly Facilitate the Work. The Method of Clamping the Blades between two Spring Plates, Screwed with a Cam Lock, Give any Adjustment, Up or Down to the Blade, and Supports the Cut-ting Edge Prevents Chattering. Any wider Blades may be Used up to 4 inches. With our Locking Devices the Holders may be Reversed so that Either Edge of Blade may be Brought into Use. One for Straight Cut and the other for Finishing

FLOOR
REVERSIBLE HEAD, UNIVERSAL SOCKET JOINT

Per Dozen

No. DE25—Polished Stamped Steel Frame, Provided with a Universal Socket Joint which Allows Adjustment in any Direction. Rotary Cam Pin Locking Device. Hardwood Rest, Piano Mahogany Finish, Hardwood Handle, Complete with One Blade, 3½ inches. No. 16 Gauge Harden-ed Steel Blades. Weight per Dozen 24 lbs. $20.00

FLOOR OR CABINET

Per Dozen

No. DE35—3 inch Polished and Tempered Cast-iron Steel Ball Socket Joint. Maple Handle has Brass Ferrule, Rosewood Handle with Aluminum Ferrule. Weight per Dozen 30 lbs. $6.50

Per Dozen

No. EB35—Extra Blades, Weight per Dozen 1¾ lbs. $3.50

Half Dozen in a Package

IRON FACE CABINET

The Blade may be Set to a Slight Curve by Tightening the Thumb Screw, which is of advantage in some places.

Per Dozen

No. DE30—2¾ inch Blade, 4 inches Long over all. Japanned Cast Iron Frame. Raised Handles. Tempered Tool Steel Blade. Nickel Plated. Rounded Head. Thumb Screws. Weight per Dozen 21 lbs. $12.00

One in a Box

STANLEY

Per Dozen

No. 99—2¾ inch Blade, 11 inches Long Over all. Japanned Cast Iron Frame. Raised Handles. Tempered Tool Steel Blade. Weight per Dozen 21 lbs. $30.00

One in a Box.

EXTRA BLADES

Per Dozen

No. EB99—Extra Blades for No. DE35 and No. 99 Scrapers. Weight per Dozen 1 lb. $3.50

Half Dozen in a Package.

FLOOR AND CABINET SCRAPERS

STANLEY

ADJUSTABLE WOOD

Per Dozen

No. 83—3¾ inch Blade, 9½ inches Long Over All. Japanned Cast Iron Frame. Polished Maplewood Handle. Tempered Tool Steel Cutters. Weight per Dozen 19 lbs. $15.00

One in a Box

STARRETT UNIVERSAL

All Edges Ground Square and Sharpened Giving Eight Scraping Surfaces. By a Turn of the Handle the Rest Joint is Firmly Locked or Released. Begins, or Ends Any Cut of the Deep Seats of the Blade. The Hard Grip can be Slipped Off or On Instantly.

Per Dozen

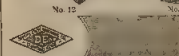
No. 104—Sixty-inch Polished Steel Plane, Rosewood Handle and Grip. Polished 4 Steel Ball Joint. Weight per Dozen 12 lbs. $18.00

One in a Box

No. EB104—Extra Blade for No. 104 Scraper. Weight per Dozen 2½ lbs. $3.00

Half Dozen in a Package

No. 12 No. 1295



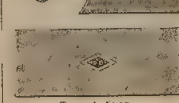
*DIAMOND EDGE

French Steel, Superior Quality and Finished, Highly Tempered and Hardened. Full Polished Bands and Edges.

Sizes	2x5	2½x5	2½x6	3x5	3x6	3½x6
Wt. Doz.	1¾	2	2¼	3	3¼	4
Per Doz.	$1.50	1.80	1.90	1.80	2.00	2.00

One Dozen in a Box

No. DEC3—All Sizes. $1.50



No. 1—STANDARD

Full Polished Blade. Tempered Spring Steel.

Sizes	2x5	2½x5	2½x6	3x5	3x6
Wt. Doz. lbs.	1¾	2	2¼	3	3¼
Per Doz.	$2.50	1.50	1.40	1.80	1.80	2.00	2.00

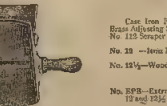
One Dozen in a Box

STANLEY
SINGLE HANDED CABINET

So Arranged the Blade can be Set at Any Angle

Per Dozen

No. 28—3 inch Tool Steel Blade, Japanned Cast Iron Frame and Handle Shank. Polished Maple Handle and Knob. Steel Screws. Length Over All 14½ inches. Weight per Dozen 31 lbs. $30.00



STANLEY
WOOD FACE CABINET

With Rosewood Face, which goes over a Surface very Smooth. Blade is Set at an Angle to Give Satisfactory Work at all Times

Per Dozen

No. 81—3½ inch Blade, 9 inches Long Over All. Nickel Plated Frame and Raised Handle. Tempered Steel Tempered Blade. Weight per Dozen 27 lbs. $50.00

One in a Box

ATKINS PERFECTION

Per Dozen

No. P—3 inch "Silver Steel" Blades. Malleable Iron Frame and Polished Nickel Plated Cross Bars. Polished Hardwood Handle. Brass Ferrule. 11½ inches Long Over All. Weight per Dozen 11 lbs. $15.00

Half Dozen in a Box

ADJUSTABLE VENEER SCRAPER

Japanned Cast Iron Frame, Polished Face. Brass Screws, 10 inch Rosewood Handle. Designed for Scraping and Finishing Veneers, Hardwood Floors or Fine Cabinet Work. Can be Adjusted to any Angle Desired.

Each

No. 1295—6¾ inches Long, 3 inch Cutter. $3.00

BAILEY ADJUSTABLE VENEER

Cast Iron Frame, Polished Face and Chamfered. Japanned Inside. Brass Adjusting Screw. 11 inch Rosewood Handle. Takes same Blade as No. 112 Scraper Plane

Each

No. 12—Iron Face, 6¾ in. Long, 3 in. Scraper. $5.00

No. 12½—Wood Face, 6¾ in Long, 3 in. Scraper. . . . . $ 5.00

One in a Box

Each

No. EPB—Extra Scraper Blades, for No. 112 Scrapers, also Nos. 12 and 12½ Stanley Veneer Scrapers. Weight 4 ozs. $5.00

One Scraper in a Box.

*DIAMOND EDGE CABINET

No. DEACC Concave and Convex

Extra Quality Spring Steel; Highly Tempered and Polished; Full Polished Blades.

Sizes	2¼x5	2½x6	2¾	3x6
Weight Dozen, Lbs.	1¾	2¼	2½	3¼
Per Dozen	$2.50	2.70	3.00	3.30

SWAN NECK CABINET SCRAPER

Per Dozen

No. SN—Full Polished Blade. Tempered Spring Steel. Weight per Dozen 1¾ lbs. $1.00

"DIAMOND EDGE IS A QUALITY PLEDGE

DIAMOND EDGE BLOCK PLANES

Rolled Cast Iron Frame and Cap Higher Grade English Tool Steel Thin Bit Cutter
Oil Tempered, Ground and Hand Sharpened

ADJUSTABLE THROAT

The Throat Can be Quickly Opened or Closed for Finer or Coarse Work, by a Movement of the Cam Lever at Side

REGULAR

Japanned Top, Cap and Frame, Nickel Plated Cap and Nuts, Rosewood Top, Polished Face and Sides, Nickel Plated Brass Adjusting Nuts

		Each
No. DE15	7 inches Long, 1¾ inch Cut, Weight 1 lb.	$1.40
No. DE16	9 inches Long, 1¾ inch Cut, Weight 1¼ lbs.	1.40

LOW ANGLE

Japanned Top, Polished Face and Sides, Nickel Plated Cap and Nuts

		Each
No. DEX60	6 inches Long, 1½ inch Cut, Weight 1 lb.	$1.40
No. DEX65	7 inches Long, 1¾ inch Cut, Weight 1¼ lbs.	1.50

ADJUSTABLE

Japanned Top and Cap, Polished Face and Sides, Rosewood Knob

		Each
No. DEX820	7½ inches Long, 1¾ inch Cut, Weight 1¾ lbs.	$0.85

NON-ADJUSTABLE

Japanned Top and Cap, Polished Face and Sides, Rosewood Knob

		Each
No. DE810	7½ inches Long, 1¾ inch Cut, Weight 1¼ lbs.	$0.60

DOUBLE END, NON-ADJUSTABLE

With Two Slots and Reversible Cutter Seat

		Each
No. DE250	8 inches Long, 1¾ inch Cut, Weight 1¾ lbs.	$0.80

NO DF 60

Japanned Top and Cap, Rosewood Face and Sides

Black Enameled Cast Iron Frame, Nickel Plated Cap and Nuts, Adjustable, Weight about 2¼ lbs.

		Each
No. DE162	7 inches Long, 1¾ inch Cut	$0.45
No. DE163	9 inches Long, 1¾ inch Cut	0.60

WITH HANDLE

Japanned Top, Cap and Handle, Ground Face, Not Adjustable

		Each
No. DE250	8½ inches Long, 1 inch Cut, Weight 1½ lbs.	$0.90

All Above, One in a Box

WITHOUT HANDLE

Japanned Top, Sides and Cam, Ground Face, Not Adjustable

		Each
No. DE151	8½ inches Long, 1 inch Cut, Weight 1¼ lbs.	$0.32

*EXTRA PARTS FOR *DIAMOND EDGE* PLANES

In Ordering, Always Give Kind and Number of Plane for Which Part is Wanted, as well as the Figure Number of the Part Wanted. Ten Cents will be the Minimum Charge for Any Part Sent by Mail.

FINISHED PARTS FOR *DIAMOND EDGE* BENCH PLANES

Fig. A—Single Plane Iron
Fig. B—Top Plane Iron
Fig. C—Plane Iron Screw
Fig. D—Cap
Fig. E—Cap Screw
Fig. F—Frog Only
Fig. G—V Adjustment
Fig. H—Brass Adjusting Nut
Fig. I—Lever Only
Fig. J—Frog Screw
Fig. K—Frog Complete
Fig. L—Handle for Iron Plane
Fig. M—Handle for Wood Plane
Fig. N—Knob
Fig. O—Handle Bolt
Fig. P—Knob Bolt
Fig. Q—Handle Screw
Fig. R—Iron Plane Bottom
Fig. S—Top Corrugated Wood Plane
Fig. T—Bottom for Wood Plane

FINISHED PARTS FOR *DIAMOND EDGE* BLOCK PLANES

Fig. AB—Plane Iron
Fig. BB—Cap Only
Fig. CB—Cap Screw
Fig. DB—Cap Lever
Fig. EB—Adjusting Nut
Fig. FB—Bottom
Fig. GB—Extension Rod
Fig. HB—Eccentric Plate
Fig. IB—Iron Knob
Fig. JB—Wood Knob
Fig. KB—Adjusting Frog
Fig. LB—Adjusting Frog
Fig. MB—Lateral Lever
Fig. NB—Adjusting Screw
Fig. OB—Adjustment Dog
Fig. PB—Lever Screw

"*DIAMOND EDGE* IS A QUALITY PLEDGE"

DIAMOND EDGE BENCH PLANES

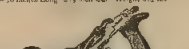
IRON ADJUSTABLE

Black Enameled Cast Iron Frames; Face of Bottom and Sides Ground True and Smooth; Composition Rubber Handles; Ebonized Wood Knob; Full Polished Cap and Cutters; Highest Grade English Tool Steel, Thin Bit Cutters; Oil Tempered, Ground and Hand Sharpened; Screw and Lever Adjustment; Brass Screw.

PLAIN BOTTOM

SMOOTH

		Each
No. DE3	8 inches Long, 1¾ inch Cut, Weight 3¼ lbs.	$2.70
No. DE5	9 inches Long, 2 inch Cut, Weight 3¾ lbs.	2.90
No. DE5½	10 inches Long, 2¼ inch Cut, Weight 5¼ lbs.	3.50



JACK

		Each
No. DE5	14 inches Long, 2 inch Cut, Weight 4¾ lbs.	$3.50
No. DE5½	15 inches Long, 2¼ inch Cut, Weight 5¼ lbs.	3.70

FORE

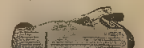
No. DE6	18 inches Long, 2¾ inch Cut, Weight 7¼ lbs.	4.80

JOINTER

No. DE7	22 inches Long, 2¾ inch Cut, Weight 7¾ lbs.	4.90
No. DE8	24 inches Long, 2¾ inch Cut, Weight 8¼ lbs.	5.70

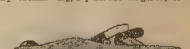
CORRUGATED BOTTOM

The Corrugated Bottom Lessens Friction and Makes an Easier Running Tool than the Smooth Bottom Plane.



SMOOTH

		Each
No. DEC3	8 inches Long, 1¾ inch Cut, Weight 3¼ lbs.	$2.70
No. DEC5	9 inches Long, 2 inch Cut, Weight 3¾ lbs.	2.90
No. DEC5½	10 inches Long, 2¼ inch Cut, Weight 5¼ lbs.	3.50



JACK

		Each
No. DEC5	14 inches Long, 2 inch Cut, Weight 4¾ lbs.	$3.50
No. DEC5½	15 inches Long, 2¼ inch Cut, Weight 5¼ lbs.	3.70

FORE

No. DEC6	18 inches Long, 2¾ inch Cut, Weight 7¼ lbs.	4.80

JOINTER

No. DEC7	22 inches Long, 2¾ inch Cut, Weight 7¾ lbs.	4.90
No. DEC8	24 inches Long, 2¾ inch Cut, Weight 8¼ lbs.	5.70

All Above, One in a Box

WOOD BOTTOM ADJUSTABLE

Selected Clear Beechwood Bottom, Handle and Knob. Perfectly Smooth and True Face. Polished Sides. Black Enameled Cast Iron Frame. Full Polished Cap and Cutter. Highest Grade English Tool Steel, Thin Bit Cutters. Oil Tempered, Ground and Hand Sharpened. Screw and Lever Adjustment, Brass Screw.

SMOOTH

		Each
No. DE23	8 inches Long, 1¾ inch Cut, Weight 3 lbs.	$1.70
No. DE33	8 inches Long, 1¾ inch Cut, Weight 3¼ lbs.	1.70
No. DE34	8 inches Long, 2 inch Cut, Weight 3¾ lbs.	1.80

HANDLED SMOOTH

		Each
No. DE35	9 inches Long, 2 inch Cut, Weight 3¾ lbs.	$2.00
No. DE36	10 inches Long, 2¼ inch Cut, Weight 4¼ lbs.	2.20

JACK

		Each
No. DE26	15 inches Long, 2 inch Cut, Weight 3¾ lbs.	$1.90
No. DE27	16 inches Long, 2¼ inch Cut, Weight 4¼ lbs.	2.10
No. DE27½	15 inches Long, 2¼ inch Cut, Weight 4¼ lbs.	2.10

FORE

No. DE28	18 inches Long, 2¼ inch Cut, Weight 6¼ lbs.	2.20
No. DE29	20 inches Long, 2¼ inch Cut, Weight 5¾ lbs.	2.40

JOINTER

		Each
No. DE31	24 inches Long, 2¾ inch Cut, Weight 6¼ lbs.	$2.40
No. DE32	28 inches Long, 2¾ inch Cut, Weight 7 lbs.	2.60
No. DE33	26 inches Long, 2¾ inch Cut, Weight 7¾ lbs.	2.60
No. DE34	30 inches Long, 2¾ inch Cut, Weight 8¼ lbs.	2.80

All Above, One in a Box

WOOD BENCH PLANES

*DIAMOND EDGE

Bodies Made of the Finest Seasoned Beechwood. Finished Smooth and Varnished. Specially Prepared on the DIAMOND EDGE Plane the Double Cutters are Forged from the Highest Grade Tool Steel. Oil Tempered, Hand Sharpened and Polished. Ready for Use.

Polished Steel Start...

SMOOTH

DOUBLE IRONS

HANDLED SMOOTH

	Each
No. DEX5—Assorted 2, 2¼, 2⅜ inch Cut, 8 inches Long, Weight Each 5 lbs.	$1 90
No. DEX6—Assorted 2, 2⅛, 2⅜ inch Cut, 10½ inches Long, Weight Each 7½ lbs.	$2 60

JACK

RAZEE JACK

	Each
DEX15—Assorted 2, 2½, 2⅝ inch Cut, 15 inches Long, Weight Each 4¾ lbs.	$1 70
No. DEX17—Assorted 2, 2⅜, 2⅝ inch Cut, 17 inches Long, Weight Each 8½ lbs.	$1 80

FORE

JOINTER

Nos.	DEX27	DEX30½	DEX36½
Assorted Cuts	2, 2⅜, 2⅝ inch		
Length, Inches	24	28	30
Weight Each, abt. lbs.	7½	8	8½
Each	$2 50	2 70	3 70

No. DEX24—Assorted 2, 2⅛, 2⅜, 2⅝ inch Cut, 22 inches Long, Weight Each 6½ lbs. Each $3 20

Each Plane in a Cardboard Box

*BRIDGE

Selected and Seasoned Beechwood, Plain Finish, Polished, Nose Start. Forged Steel Double Irons, Hand Sharpened and Polished Ready for use.

SMOOTH

HANDLED SMOOTH

	Each
No. B3—Assorted 2, 2¼, 2⅜ inch Cut, 8 inches Long, Weight Each 2¾ lbs.	$1 20
No. B5—Assorted 2, 2⅛, 2⅜ inch Cut, 9 inches Long, Weight Each 3¾ lbs.	$2 20

JACK

RAZEE JACK

	Each
No. B15—Assorted 2, 2⅛, 2⅜ inch Cut, 15 inches Long, Weight Each 4¾ lbs.	$1 80
No. B17—Assorted 2, 2⅛, 2⅜ inch Cut, 17 inches Long, Weight Each 5½ lbs.	$1 70

FORE

JOINTER

Assorted Cuts 2, 2⅛, 2⅜ inch

Nos.	B27	B32½
Length, Inches	26	28
Weight Each, Lbs.	7	8
Each	$2 60	2 80

No. B21—Assorted 2, 2⅛, 2⅜ inch Cuts, 22 Inches Long, Weight Each 6½ lbs. Each $2 20

Each Plane Wrapped in a Paper

When Ordering, Give Number and Size.

"DIAMOND EDGE IS A QUALITY PLEDGE"

WOOD BENCH PLANES

SCIOTO

Beechwood, Plain Finish. Cutters, Forged from Tool Steel, Tempered and Sharpened. Block Stock.

SMOOTH

HANDLED SMOOTH

	Each
No. 01—Single Iron, 2, 2⅛, 2⅜ inch Cut, Weight 2¾ lbs.	$1 20
No. 02—Double Irons, 2, 2⅛, 2⅜ inch Cut, Weight 2¾ lbs.	1 60
No. 03—Single Iron, 2, 2⅛, 2⅜ inch Cut, Weight 4 lbs.	$2 70

JACK

RAZEE JACK

	Each
No. 017—Single Iron, 2, 2⅛, 2⅜ in. Cut, abt. 13½ lbs.	$1 30
No. 018—Double Irons, 2, 2⅛, 2⅜ inch Cut, Weight 4½ lbs.	1 80
No. 017—Double Irons, 2, 2⅛, 2⅜ inch Cut, Weight 2½ lbs.	$1 65

FORE

JOINTER

Length 22 inches

	Each
No. 021—Double Irons, 2¼, 2⅜, 2⅝ inch Cut, Weight 7 lbs.	$2 00

Double Irons, Assorted, 2⅛, 2⅜, 2⅝ inch Cut.

Nos.	027	027½	027¼
Length, Inches	24	26	30
Weight Each, Lbs.	7½	7½	8
Each	$2 30	2 60	2 85

Lasts When Ordering, Give Both Number and Size

TABLE OF WEIGHTS AND CONTENTS OF CASES OF BENCH PLANES

	In a Case	Weight Lbs.
Double Jack	50	350
Double Fore	50	350
Double Jointer, 24 inches	30	195
Double Jointer, 26 inches	30	195
Double Jointer, 28 inches	30	195
Double Jointer, 30 inches	30	225

FANCY WOOD PLANES

OHIO TOOL CO

No. 72F HOLLOWS AND ROUNDS

Sizes, Nos. — Beechwood, Plain Finish. Forged Tool Steel Irons, Tempered and Polished, Ready for Use

Sizes, Nos.	1	2	3	4	5	6	7	8	9
Width of Cutter, Inches	⅜	½	⅝	¾	⅞	1	1⅛	1¼	1⅜
Size Circle Worked	¾	1	1¼	1½	1¾	2	2⅛	2½	2¾
Weight per Pair, Lbs.	1½	1¾	2	2¼	2½	2¾	3	3¼	3½
Per Pair	$1 85	1 90	1 95	1 95	2	2 15	2 25	2 35	2 50
		2 00	2 00	2 00	2 00	2 00	2 30	2 30	2 30

We can Furnish any Size of No. 72F in Half Pairs (Either Hollows or Rounds) at Half the Price per Pair

STANLEY BENCH PLANES

STANLEY RULE AND LEVEL CO.

Japanned Iron Steel Frame, Varnished Rosewood Handle and Knob, Polished Steel Cap; Plain Adjusting Screw; Screw and Lever Adjustment Tempered, Ground and Polished Tool Steel Cutters.

IRON PLANES

Stanley Bed Rock Planes Combine the Utmost Simplicity and Rigidity with a Wide Range of Adjustment, the Surfaces are so Machined as to Fit Perfectly, Making it as Rigid as if Mortised Into Place of Main Body. The Frog is Planed Exact and is Designed that its Lower Bottom Rests Solidly on a Seat Formed in the Plane Body, which Gives Great Accuracy of Adjustment to the Frog and Prevents any Possibility of its Rocking. The Parts of a Screw the Plane is Shipped in Hard or Soft Steel.

BED ROCK PLAIN BOTTOM

BED ROCK CORRUGATED BOTTOM

The Corrugated Bottom Lessens Friction and Makes an Easier Running Tool than the Smooth Bottom Plane.

SMOOTH

		Each
No. 602	7 in. Long; 1¾ inch Cut; Wt. 2½ lbs.	$3 60
No. 603	8 in. Long; 1¾ inch Cut; Wt. 3 lbs.	3 90
No. 604	9 in. Long; 1¾ inch Cut; Wt. 3½ lbs.	4 50
No. 604½	9 in. Long; 2⅜ inch Cut; Wt. 4 lbs.	4 80

SMOOTH

		Each
No. 603C	7 in. Long; 1¾ inch Cut; Wt. 2½ lbs.	$3 20
No. 603¼C	8 in. Long; 1¾ inch Cut; Wt. 3 lbs.	3 40
No. 604C	9 in. Long; 1¾ inch Cut; Wt. 3½ lbs.	3 90
No. 604½C	9 in. Long; 2⅜ inch Cut; Wt. 4 lbs.	4 10

JACK

		Each
No. 605	14 in. Long; 2¼ inch Cut; Wt. 4½ lbs.	$4 80
No. 605½	15 in. Long; 2⅝ inch Cut; Wt. 6 lbs.	4 80

JACK

		Each
No. 605C	14 in. Long; 2¼ inch Cut; Wt. 4½ lbs.	$5 10
No. 605½C	15 in. Long; 2⅝ inch Cut; Wt. 6 lbs.	4 60

FORE

No. 606	15 in. Long; 2¾ inch Cut; Wt. 7½ lbs.	5 00

FORE

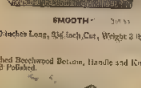
No. 606C	18 in. Long; 2¾ inch Cut; Wt. 7½ lbs.	5 20

JOINTER

No. 607	22 in. Long; 2¾ inch Cut; Wt. 9½ lbs.	5 80
No. 608	24 in. Long; 2¾ inch Cut; Wt. 9 lbs.	7 00

JOINTER

No. 607C	22 in. Long; 2¾ inch Cut; Wt. 9½ lbs.	6 00
No. 608C	24 in. Long; 2¾ inch Cut; Wt. 9 lbs.	7 00



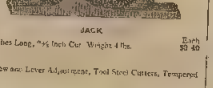
SMOOTH

No. 102—6 inches Long, 1¾ inch Cut, Weight 2 lbs. Each $3 70

WROUGHT STEEL

Especially Adapted for Working on Hard Woods.

The Entire Sides of Wrought Steel Rebate to Plane Perfectly Instruction Bar Corners are Cast Iron Brass and Lever Adjustment of Brass Frame and Cap. Varnished Rosewood Handle and Knob. Tool Steel Tempered and Ground Cutter.

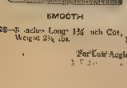


JACK

No. 165—14 inches Long, 2⅜ inch Cut, Weight 4 lbs. Each $5 40

WOOD BOTTOM

Varnished Beechwood Bottom, Handle and Knob. Japanned Cast Iron Frame and Cap. Screw and Lever Adjustment, Tool Steel Cutters, Tempered Ground and Polished.

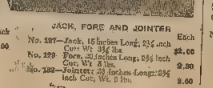


SMOOTH

		Each
No. 128	8 inches Long; 1¾ inch Cut, Weight 3¼ lbs.	$1 60

HANDLED SMOOTH

		Each
No. 128	10 inches Long; 2¼ inch Cut; Weight 3 lbs.	$2 00



JACK, FORE AND JOINTER

		Each
No. 127	Jack, 18 inches Long; 2¾ inch Cut; Wt. 8¾ lbs.	$2 00
No. 129	Fore, 20 inches Long; 2¾ inch Cut; Wt. 8 lbs.	2 20
No. 132	Jointer, 30 inches Long; 2¾ inch Cut; Wt. 9 lbs.	2 60

For Low Angle Jack Planes, See Page 71

All Above, One in a Box.

STANLEY FANCY PLANES

BELT MAKERS

Japanned Cast Iron Frame, Polished Fence 11 inch Rosewood Handle. Designed for Chamfering Down the Lape of a Belt Before Fastening Ends Together. The Bottom is Fitted with a Moveable Fence by Means of Which the Width of the Mouth or Gutter Opening can be Accurately Adjusted. The Cutter has a Screw Adjustment to Regulate the Depth of Cut.

No. 12—8½ inches Long, 2⅝ inch Cutter. Each $3.10

CARRIAGE MAKERS RABBET

Japanned Cast Iron Frame, Polished Steel Sides and Bottom, Rosewood Handle and Knob. The Handle and Knob can be turned to either Side, thus Allowing Ample Room for Workman's Hands when Working Close up to Perpendicular Sides of Any Height. It is Supplied with Spurs on each Side as it will Rabbet Across the Grain Equally as well as with it.

		Each
No. 10½	Smooth Bottom 12 in. Long; 2⅜ in. Cutter. Weight 4½ lbs.	$6.10
No. 10½C	Corrugated Bottom 12 in. Long; 2⅜ inch Cutter. Weight 4½ lbs.	6.50

SKEW CUTTER, FILLESTER AND RABBET

Japanned Frame and Handle. Polished Face. The Plane has an Extra Wide Cutter set on a Skew. The Fence and Depth Gauge can be attached to either Side so that the Plane can be used for either right or left hand Work. The Rebate Sides under the Bottom, Regulating the Width of Cut, also has Two Adjustable Spurs, One on Each Side. By Removing the Depth Gauge, Fence and Arm a Superior Rabbet Plane is Obtained.

No. 229—8½ inch Long, 2⅛ inch Cutter. Weight 4 lbs. Each $3 00

DOVETAIL TONGUE AND GROOVE

For Forming a Dovetail Tongue and Groove, where the Width of Neck is more than ¼ inch in Width or where the Depth of the Groove is not more than ½ inch. Three Sizes of Cutters are Furnished for forming Grooves. Smaller Size for ⅜ inch, ½ inch Boards. Medium Size for ½ and ⅝ inch Boards. Large Size for ¾ to 2 inch Boards. One Size Cutter will Cut any Size Tongue.

		Each
No. 44	Nickel Plated Frame; Length 8½ inches; Packed in a Neat Hardwood Box 10½x2½x3 inches. Weight, Complete 6 lbs.	$11 00

Complete Directions with Each Plane

CORE BOX NICKEL PLATED Beechwood Knob and Handle

For Working Circles up to 5 inches in Diameter. The Sides of the Plane are at Right Angles, Consequently the Point of the Iron will be Right at the Corner of the Circle when the Sides Rests on the Edges of the Cut. One Pair of Side Rests are Furnished with Each Plane. For Working Circles up to 10 inches Furnished with Side Rests in Pairs. For Working Circles from 5 inch to 10 inches, Extra Side Rests up to 2 inches in Diameter Additional Pair Adding 2½ inches to the Diameter Each Respectively, so that for Working up to 10 inches, the Practical Limit of the Plane.

		Each
No. 67	With One Pair Sections	$6.50
	Extra Sections	Per Pair $1.00

CORE BOX

Japanned Iron Stock, Polished Face, Rosewood Handle. Especially Designed for Making Semi-Circular Core Boxes, Working Semi-Circles from ⅜ to 2 inches in Diameter.

		Each
No. 89	4 inches Long. Weight 3 lbs.	$3.60

One in a Box

IRON BLOCK PLANES

BAILEY PATENT

Cast Iron Body and Cap. Mouth and Iron Polished Face and Side. Japanned Inside. Brass Adjusting Screw, Tool Steel Cutters, Tempered, Ground and Polished. The Throat Can be Quickly Opened or Closed for Coarse or Fine Work. Made with the "Handy" Feature or Depression on the Sides, which Gives a Better Grip on the Face.

REGULAR

The Throat is Adjusted for Coarse or Fine Work by Movement of a Cam Lever at the Nose

Japanned Trimmings

		Each
No. 8½—8 inches Long, 1¾ inch Cut	Weight 4¾ lbs.	$1 40
No. 15—7 inches Long, 1¾ inch Cut	Weight 4¼ lbs.	1 00

Nickel Plated Trimmings

		Each
No. 16—8 inches Long, 1¾ inch Cut	Weight 4¾ lbs.	$1 70
No. 17—7 inches Long, 1¾ inch Cut	Weight 4¼ lbs.	1 00

LOW ANGLE

		Each
No. 60½—8 inches Long, 1¾ inch Cut	Weight 4¾ lbs.	$1 40
No. 65½—7 inches Long, 1¾ inch Cut	Weight 4¼ lbs.	1 00

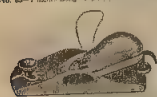
Nickel Plated Trimmings

		Each
No. 60—8 inches Long, 1¾ inch Cut	Weight 4¾ lbs.	$1 70
No. 65—7 inches Long, 1¾ inch Cut	Weight 4¼ lbs.	1 00

Solid Throat, not Adjustable. Japanned Trimmings, Rosewood Knob.

		Each
No. 51—8 inches Long, 1¾ inch Cut	Weight 4¾ lbs.	$1 70
No. 63—7 inches Long, 1¾ inch Cut	Weight 4¼ lbs.	1 00

Box in a Box



KNUCKLE JOINT

Nickel Plated Trimmings, Brass Adjusting Nuts

		Each
No. 32—6 inches Long, 1¾ inch Cut	Weight 4¾ lbs.	$2.00
No. 29—7 inches Long, 1¾ inch Cut	Weight 4¾ lbs.	2 10

ROSEWOOD HANDLE

The Throat is Adjusted for Coarse or Fine Work by Movement of a Cam Lever at the Nose. Japanned Cap, Brass Adjusting Nuts, Rosewood Handle Knob

		Each
No. 62—6 inches Long, 1¾ inch Cut	Weight 4¾ lbs.	$1.80
No. 152—7 inches Long, 1¾ inch Cut	Weight 4¾ lbs.	2.00

Case in a Box

DOUBLE END ADJUSTABLE

Has Two Slots and a Movable Cutter Seat To Use in Corners as a Bull Nose Plane. Remove Cap and Cutter and Reverse the Cutter Seat as Indicated in Cut

Japanned Frame and Trimmings, Nickel Plated Adjusting Screw and Rosewood Handle

		Each
No. 123—Double-Ender, 8 inches Long, 1¾ inch Cut	Weight 4¾ lbs.	$5 60

STANLEY PATENT

Cast Iron Body and Cap, Tool Steel Cutter, Tempered, Ground and Polished

WITHOUT HANDLE

Japanned Cap and Sides, Ground Face. Not Adjustable

		Each
No. 101—3½ inches Long, 1 inch Cut	Weight 1½ lb.	$0 35

TOY SIZES

WITH HANDLE

		Each
No. 100—3¼ inches Long, 1 inch Cut	Weight 1½ lbs.	$0 60

No. 103

Japanned, Inside Polished Face and Sides

		Each
3½ inches Long, 1¼ inch Cut		$0 50
No. 105—Nos. right-side		70
No. 106—Adjustable	Weight about 2½ lbs.	

NON-ADJUSTABLE

Ground Face and Sides, Japanned Cap and Handle

		Each
No. 116—Hardwood, Black Enameled Knob	7¼ inches Long; 1¾ inch Cut; Weight 4.55 lbs.	$0 70

ADJUSTABLE

		Each
No. 220—Rosewood Knob	7 inches Long; 1¾ inch Cut. Weight 3.35 lbs.	$1 00

With Screw Adjustment

Case in a Box

DOUBLE END NON-ADJUSTABLE

		Each
No. 150—Hardwood, Black Enameled Knobs	7¼ inches Long, 1¾ inch Cut. Weight 4¼ lbs.	$0 90

Has Two Slots and a Movable Cutter Seat To Use in Corners as a Bull Nose Plane. Remove Cap and Cutter and Reverse the Cutter Seat as Indicated in Cut.

BAILEY BENCH PLANES

STANLEY RULE AND LEVEL CO

Japanned Cast Iron Frame. Varnished Rosewood Handle and Knob. Polished Steel Cap, Tempered and Polished Tool Steel Cutters, Screw and Lever Adjustment. Brass Screw.

BAILEY IRON

PLAIN BOTTOM

		Each
No. 1	6¼ inches Long; 1¾ inch Cut; Wt. 4¼ lbs.	$2.00
No. 2	7¼ inches Long; 1¾ inch Cut; Wt. 5 lbs.	2.20
No. 3	8½ inches Long; 1¾ inch Cut; Wt. 5¾ lbs.	2.60
No. 4	10 inches Long; 2 inch Cut; Wt. 8 lbs.	3.50
No. 4½	10 inches Long; 2¼ inch Cut; Wt. 8 lbs.	

JACK

		Each
No. 6	14 inches Long; 2 inch Cut; Wt. 8 lbs.	$3 50
No. 6½	15 inches Long; 2¼ inch Cut; Wt. 8½ lbs.	4 00

FORE

		Each
No. 8	18 inches Long; 2¾ inch Cut; Wt. 7½ lbs.	4.50

JOINTER

		Each
No. 7	22 inches Long; 2¾ inch Cut; Wt. 8½ lbs.	5.00
No. 8	24 inches Long; 2¾ inch Cut; Wt. 9½ lbs.	6 00

CORRUGATED BOTTOM

The Corrugated Bottom Lessens Friction and Makes an Easier Running Tool than the Smooth Bottom Plane.

SMOOTH

		Each
No. 2C	7¼ in. Long; 1¾ inch Cut; Wt. 2¼ lbs.	$2.00
No. 3C	8½ in. Long; 1¾ inch Cut; Wt. 2½ lbs.	2.20
No. 4C	10 in. Long; 2 inch Cut; Wt. 3¼ lbs.	3.10
No. 4½C	10 in. Long; 2¼ inch Cut; Wt. [illegible] lbs.	3.20

JACK

		Each
No. 5C	14 inches Long; 2 inch Cut; Wt. 4[illegible] lbs.	$3.70
No. 5½C	15 inches Long, 2¼ inch Cut; Wt. 6[illegible] lbs.	4.00

FORE

		Each
No. 8C	18 inches Long; 2¾ inch Cut; Wt. 7 lbs.	6.00

JOINTER

		Each
No. 7C	22 inches Long; 2¾ inch Cut; Wt. 8 lbs.	8.00
No. 8C	24 inches Long; 2¾ inch Cut; Wt. 9½ lbs.	9.00

BAILEY WOOD BOTTOM

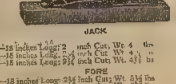
Varnished Beechwood Bottom, Knob and Handle; Japanned Cast Iron Frame and Cap; Tempered Tool Steel Cutter, Ground and Polished, Screw and Lever Adjustment

SMOOTH, WITHOUT HANDLE

		Each
No. 32—7¼	inches Long; 1¾ inch Cut, Weight 2¼ lbs.	$1.60
No. 33—8	inches Long; 1¾ inch Cut; Weight 2½ lbs.	1.80
No. 33—9	inches Long; 1¾ inch Cut, Weight 2¾ lbs.	1 90
No. 34—8	inches Long; 2 inch Cut. Weight 2¾ lbs.	1 90

HANDLED SMOOTH

		Each
No. 35—	8½ in. Long; 2 inch Cut, Wt. 3¼ lbs.	$2 40
No. 35½—	9 in. Long; 2¼ inch Cut; Wt. 4 lbs.	2 70

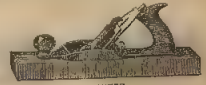


JACK

		Each
No. 36	18 inches Long; 2 inch Cut, Wt. 4 lbs.	$2 80
No. 37	18 inches Long; 2¼ inch Cut, Wt. 4½ lbs.	3 00
No. 37½	18 inches Long; 2¼ inch Cut; Wt. 4½ lbs.	3 10

FORE

		Each
No. 38	18 inches Long; 2¾ inch Cut; Wt. 5½ lbs.	$3 60
No. 39	20 inches Long; 2¾ inch Cut; Wt. 6½ lbs.	4 00



JOINTER

		Each
No. 40	22 inches Long, 2¾ inch Cut; Wt. 6½ lbs.	$3 80
No. 41	24 inches Long; 2¾ inch Cut, Wt. 6¾ lbs.	3 80
No. 39	26 inches Long; 2¾ inch Cut; Wt. 7 lbs.	3 10
No. 39	26 inches Long; 2¾ inch Cut; Wt. 7¼ lbs.	3 20

All Above, Case in a Box

"DIAMOND EDGE IS A QUALITY PLEDGE."

STANLEY FANCY PLANES

STANLEY RULE AND LEVEL CO.

Cast Iron Body, Machined Face and Sides, Japanned Inside, Nickeled Rosewood Handle and Knob. Extra Quality Tool Steel Cutter, Tempered, Ground and Carefully Honed. Full Polished.

LOW ANGLE JACK

Screw Adjustment; Adjustable Throat

Especially Adapted for Use on Cutting Across the Grain or End Work, where More Power is Required than Can be Obtained by the Use of the Ordinary Block Plane. Fitted with Patent Adjustable Throat which Enables the User to Work Equally Well on Hard or Soft Wood.

		Each
No. 62—	14 Inches Long; 2 inch Cut. Weight 4 lbs.	$4 00

FURRING

For Preparing Lumber as it Comes Roughly Sawed from the Mill to Remove the Rough Cut before Using a Smooth Plane.

The Construction of the Bottom is such that it will Accomplish this Very Rapidly. Thumb Rests on Bearings at Cutter and Heel, Reducing Friction to a Minimum.

		Each
No. 540—	9 Inches Long; 2 inch Cut. Weight 3½ lbs.	$3 50

EDGE PLANE

With Screw Adjustment; Rosewood Knob

For Plane Makers and all Cabinet Workers for Trimming Inside Work where Space Prevents the Use of Any Other Plane.

		Each
No. 97—	9½ Inches Long, 2¼ inch Cut, Weight 2½ lbs.	$3 00

IMPROVED SCRUB PLANE

This Tool has a Single Iron with the Cutting Edge Rounded and is Particularly Adapted for Roughing Down Work Before Using a Jack or Other Plane.

		Each
No. 40—	9½ Inches Long; 1¾ inch Cut. Wt. 2½ lbs.	$1 60
No. 40½—	14½ Inches Long; 1¾ inch Cut, Wt. 3½ lbs.	2 00

CARRIAGE MAKERS RABBET

	Screw Adjustment Adjustable Throat	Each
No. 10½	Smooth Bottom, 9 inches Long, 1¼ inch Cut Weight 2½ lbs.	$3 00
No. 10	Smooth Bottom, 9 inches Long, 2 inch Cut Weight 2¾ lbs.	4 50
No. 10¼	Corrugated Bottom; Size of No 10½	4 00
No. 10¾	Corrugated Bottom; Size of No. 10	4 50

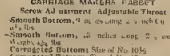


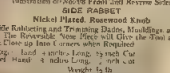
Illustration of No. 68 Front and Reverse Sides

SIDE RABBET

Nickel Plated, Rosewood Knob

For Side Rabbeting and Trimming Dados, Mouldings and Grooves in all Sorts. The Reversible Nose Piece will Give the Tool a Form which Will Work Close up Into Corners when Required.

		Each
No. 98—	Beech, 7 inches Long, ½ inch Cut	$1 40
No. 99—	Cut Steel, 7 inches Long, ½ inch Cut Weight 1¼ lb.	1 60



BULL NOSE RABBET

Adjustable Cutter and Throat Opening. Polished Face and Side. Polished and Nickel Plated Top and Frog. Fitted with the "Handy" Feature which Permits a Side and Right Cut on the Tool.

This Plane is Designed for Fine Cabinet Work where Extreme Accuracy is Desired. The Sides and Bottom Being Square with Each Other, the Plane will Lie Perfectly Flat on Either Side, and Can be Used Right or Left.

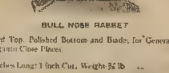
		Each
No. 90—	5½ Inches Long; 1 inch Cut, Weight 1¾ lbs.	$3 00
No. 82—	5½ Inches Long, ¾ inch Cut Weight 1 lb.	$2 25
No. 83—	6½ Inches Long; 1 inch Cut Weight 1¾ lbs.	4 00

RABBET AND BLOCK

With Detachable Side, Screw Adjustment

The Detachable Side will Easily Change this Tool from a Block Plane to a Rabbet Plane or Vice Versa. The Cutter is Set Askew.

		Each
No. 188—	7 inches Long; 1¾ inch Cut, Weight 1¾ lbs.	$3 00



BULL NOSE RABBET

Japanned Top, Polished Bottom and Blade, for General Rabbeting and Working in Close Places.

		Each
No. 75—	4 Inches Long; 1 inch Cut, Weight 2¼ lb.	$2 60

CABINET MAKER RABBET

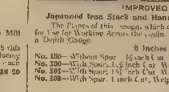
STANLEY FANCY PLANES

IMPROVED RABBET

Japanned Iron Stock and Handle, Polished Face and Edge

The Planes of this Design, which are Fitted with Spur, are Adaptable for Use for Working Across the Grain as Well as Other Planes Fitted with a Depth Gauge.

	½ Inches Long	Each
No. 220—	Without Spur, 15 inch Cut Weight, 2½ lbs.	$1 50
No. 220½—	With Spur, 1⅝ inch Cut Weight 2½ lbs.	1 50
No. 201—	With Spur, 1⅝ inch Cut Weight 2½ lbs.	1 80
No. 103—	With Spur, 1 inch Cut, Weight 2 lbs.	1 80



DUPLEX RABBET AND FILLISTER

Japanned Frame and Handle

The Arm can be Secured and either Used as a Stock Mark or a Separate Depth Gauge and Lined Fillister when the Arm is Set at Right Angles, as Adapted for Working Across the Grain. It does not Scratch When in Use.

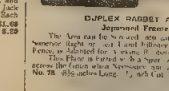
This Plane is Fitted with a Spur, a Gauge that can be Used for Working across the Grain when Necessary, and also has a Screw Gauge.

		Each
No. 78—	8½ inches Long; 1¾ inch Cut Weight 3 lbs.	$3 00

ADJUSTABLE TONGUE AND GROOVE

Nickel Plated Stock and Handle; Rosewood Knob

		Each
No. 48—	Length 10½ inches. Cuts ⅛, 3/16, inch Groove on Boards ½ to 1¼ inches, Centers on ¼ inch Weight 2¾ lbs.	$3 70



ADJUSTABLE BEAD NG MATCHING AND RABBET

Nickel Plated with Rosewood Handle and Knob

This Plane Embraces: 1—Beading and Center Beading Plane; 2—Rabbet and Fillister; 3—Side; 4—Plow; 5—Matching Plane, 6—Sash Plane and 7—a Superior Skirting Plane.

Each Plane has Seven Beading Tools, 3, 3/16, 1/4, 5/16, 3/8, 7/16 and ½ inch. Tow Plane and Dado Bits, 3, 3/16, 1/4, 5/16, 3/8, 7/16 and ½ inch and a Skirting Blade or Tonguing Tool and a Sash Tool.

		Each
No. 45—	9 inches Long; Weight 9½ lbs.	$12 00

IMPROVED DADO

Japanned Iron Stock and Handle, Polished Face and Edge

The Cutters are set in the Plane Askew. Fitted with Depth Gauge and Two Adjustable Nickel Length 8 inches.

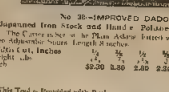
Width of Cut, Inches	⅛	3/16	¼	5/16	⅜	7/16	½
Weight, Lbs.	2¼	2¼	2¼	2¼	2½	2½	2¾
Each	$2.20	2.20	2.20	2.20	2.20	2.20	2.20

No 38—IMPROVED DADO

Japanned Iron Stock and Handle, Polished Face and Edge

The Cutters are set in the Plane Askew. Fitted with Depth Gauge and Two Adjustable Nickel Length 8 inches.

Width of Cut, Inches	⅛	3/16	¼	5/16	⅜	7/16	½
Weight, Lbs.	2¼	2¼	2¼	2¼	2½	2½	2¾
Each	$2.20	2.20	2.20	2.20	2.20	2.20	2.20

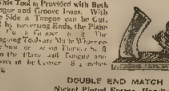


This Tool is Provided with Both Tongue and Groove Irons. With One Side a Tongue and the Other, and by Reversing Ends, the Plane will be Converted into a Tonguing and Grooving Tool. Also Will Work on Two Different Sizes of Stock than the Plane and Tongue and Groove at the Center of 8 inches Long.

DOUBLE END MATCH

Nickel Plated Frame, Handle and Cap

No. 166—	Matches ¾ inch Boards Cuts Groove ¼ inch Wi 4½ lbs.	$3.00
No. 147	Matches ¾ inch Boards Cuts Groove 3/16 in Wi 2¼ lbs.	2.00
No. 148—	Matches ¾ inch Boards Cuts Groove ¼ inch, Wi 2¾ lbs.	3.00

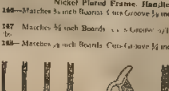


COMB HEAD BEAD NG AND MATCHING

Nickel Plated Stock and Fence

This Tool for Ordinary Beading or for Center Beading cannot be Surpassed. By the Adjustment of the Fence, Center Beading can be Done up to Five Inches from the Edge of a Board. Except for Working across the Grain the Fence need not be Used.

		Each
No. 50—	8¾ Inches Long; With Beading Cutters 1/8, 3/16, 1/4 and 5/16 inch and ½ inch, and One Pair ¾ inch Matching Cutters. Weight 3½ lbs.	$6.50



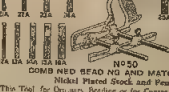
TRAUT'S ADJUSTABLE DADO, FILLISTER, PLOW, ETC.

Nickel Plated Frame, Rosewood Handle and Knob

		Each
No. 46—	9 inch 10½ inches with Eight Plow and Dado Bits, 3/16, 1/4, 5/16, 3/8, ½ and 13/16 inch. One Fillister Cutter One Skirting Blade and One Tonguing Tool A (Except the Cutting Blades are same as on Plane 5 each and Askew Weight 5¾ lbs.	$7.50

TRAUT'S ADJUSTABLE DADO

		Each
No. 47—	Same Tools as No. 46 but 1 and no 4 Dado Only each Bits 3/16, 1/4, 5/16 3/8 and 13/16 inch, and Skirting Tool, Weight 9 lbs.	$8.00



A Above One to a Box

WOOD BENCH PLANES

*DIAMOND EDGE

Bodies Made of the Finest Seasoned Beechwood. Finished Smooth and Varnished. Specially Prepared on the DIAMOND EDGE Plane the Double Cutters are Forged from the Highest Grade Tool Steel. Oil Tempered, Hand Sharpened and Polished. Ready for Use.

Polished Steel Start...

SMOOTH

DOUBLE IRONS

HANDLED SMOOTH

	Each
No. DEX5—Assorted 2, 2¼, 2⅜ inch Cut, 8 inches Long, Weight Each 5 lbs.	$1 90
No. DEX6—Assorted 2, 2⅛, 2⅜ inch Cut, 10½ inches Long, Weight Each 7½ lbs.	$2 60

JACK

RAZEE JACK

	Each
DEX15—Assorted 2, 2½, 2⅝ inch Cut, 15 inches Long, Weight Each 4¾ lbs.	$1 70
No. DEX17—Assorted 2, 2⅜, 2⅝ inch Cut, 17 inches Long, Weight Each 8½ lbs.	$1 80

FORE

JOINTER

Nos.	DEX27	DEX30½	DEX36½
Assorted Cuts	2, 2⅜, 2⅝ inch		
Length, Inches	24	28	30
Weight Each, abt. lbs.	7½	8	8½
Each	$2 50	2 70	3 70

No. DEX24—Assorted 2, 2⅛, 2⅜, 2⅝ inch Cut, 22 inches Long, Weight Each 6½ lbs. Each $3 20

Each Plane in a Cardboard Box

*BRIDGE

Selected and Seasoned Beechwood, Plain Finish, Polished, Nose Start. Forged Steel Double Irons, Hand Sharpened and Polished Ready for use.

SMOOTH

HANDLED SMOOTH

	Each
No. B3—Assorted 2, 2¼, 2⅜ inch Cut, 8 inches Long, Weight Each 2¾ lbs.	$1 20
No. B5—Assorted 2, 2⅛, 2⅜ inch Cut, 9 inches Long, Weight Each 3¾ lbs.	$2 20

JACK

RAZEE JACK

	Each
No. B15—Assorted 2, 2⅛, 2⅜ inch Cut, 15 inches Long, Weight Each 4¾ lbs.	$1 80
No. B17—Assorted 2, 2⅛, 2⅜ inch Cut, 17 inches Long, Weight Each 5½ lbs.	$1 70

FORE

JOINTER

Assorted Cuts 2, 2⅛, 2⅜ inch

Nos.	B27	B32½
Length, Inches	26	28
Weight Each, Lbs.	7	8
Each	$2 60	2 80

No. B21—Assorted 2, 2⅛, 2⅜ inch Cuts, 22 Inches Long, Weight Each 6½ lbs. Each $2 20

Each Plane Wrapped in a Paper

When Ordering, Give Number and Size.

"DIAMOND EDGE IS A QUALITY PLEDGE"

WOOD BENCH PLANES

SCIOTO

Beechwood, Plain Finish. Cutters, Forged from Tool Steel, Tempered and Sharpened. Block Stock.

SMOOTH

HANDLED SMOOTH

	Each
No. 01—Single Iron, 2, 2⅛, 2⅜ inch Cut, Weight 2¾ lbs.	$1 20
No. 02—Double Irons, 2, 2⅛, 2⅜ inch Cut, Weight 2¾ lbs.	1 60
No. 03—Single Iron, 2, 2⅛, 2⅜ inch Cut, Weight 4 lbs.	$2 70

JACK

RAZEE JACK

	Each
No. 017—Single Iron, 2, 2⅛, 2⅜ in. Cut, abt. 13½ lbs.	$1 30
No. 018—Double Irons, 2, 2⅛, 2⅜ inch Cut, Weight 4½ lbs.	1 80
No. 017—Double Irons, 2, 2⅛, 2⅜ inch Cut, Weight 2½ lbs.	$1 65

FORE

JOINTER

Length 22 inches

	Each
No. 021—Double Irons, 2¼, 2⅜, 2⅝ inch Cut, Weight 7 lbs.	$2 00

Double Irons, Assorted, 2⅛, 2⅜, 2⅝ inch Cut.

Nos.	027	027½	027¼
Length, Inches	24	26	30
Weight Each, Lbs.	7½	7½	8
Each	$2 30	2 60	2 85

Lasts When Ordering, Give Both Number and Size

TABLE OF WEIGHTS AND CONTENTS OF CASES OF BENCH PLANES

	In a Case	Weight Lbs.
Double Jack	50	350
Double Fore	50	350
Double Jointer, 24 inches	30	195
Double Jointer, 26 inches	30	195
Double Jointer, 28 inches	30	195
Double Jointer, 30 inches	30	225

FANCY WOOD PLANES

OHIO TOOL CO

No. 72F HOLLOWS AND ROUNDS

Sizes, Nos. — Beechwood, Plain Finish. Forged Tool Steel Irons, Tempered and Polished, Ready for Use

Sizes, Nos.	1	2	3	4	5	6	7	8	9
Width of Cutter, Inches	⅜	½	⅝	¾	⅞	1	1⅛	1¼	1⅜
Size Circle Worked	¾	1	1¼	1½	1¾	2	2⅛	2½	2¾
Weight per Pair, Lbs.	1½	1¾	2	2¼	2½	2¾	3	3¼	3½
Per Pair	$1 85	1 90	1 95	1 95	2	2 15	2 25	2 35	2 50
		2 00	2 00	2 00	2 00	2 00	2 30	2 30	2 30

We can Furnish any Size of No. 72F in Half Pairs (Either Hollows or Rounds) at Half the Price per Pair

FANCY WOOD PLANES

NOTE—When Ordering Planes on This Page Give Both Number and Size

OHIO TOOL CO.

Beechwood, Plain Finish, Forged Tool Steel Cutters, Tempered, Ground and Polished; Ready for Use

RABBET PLANES

Used for Rabbeting all Kinds of Work to Secure a Tight Joint

No. 110F SKEW RABBET

Length 7½ inches

Width Cutter, In.	⅛	¼	⅜	½	⅝	¾	⅞	1	1¼	1½	2
Weight Each lbs.	¾	¾	¾	1	1¼	1¼	1½	1¾	2	2¼	2½
Each	$1 20	1 20	1 20	1 20	1 20	1 20	1 40	1 50	1 60		

JACK RABBET

With Handle and Two Spur Cutters. Length 18 inches

Each

No. 118F —With Centered Handle; Cuts 1⅛, 1¾ 2 in. $3 50

No. 118½F—With Handle Set to One Side; Cuts 1¾, 1⅞, 2 inches 3 60

Weight about 9½ lbs.

No. 83F

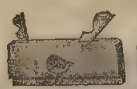
FILLISTER

For Rabbeting where Accurate Depth and Width are Required. Cuts Any Desired Width up to 1⅛ inches 9½ inches Long.

Each

No. 83F—With Brass Side Stop and Spur Cutter $5 00

Weight about 8½ lbs.



No. 47F

No. 48F

DADO

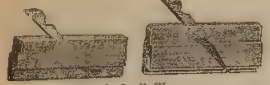
For Grooving, with Spur Cutter and Depth Gauge, Length 9½ inches.

Each

No. 47F—With Brass Side Stops, ¼, ⅜, ½, ⅝, ¾, ⅞ inch Cut $3 50

No. 48F—With Brass Screw Stops, ¼, ⅜, ½, ⅝, ¾, and ⅞ inch Cut... 3 80

Average Weight 1¼ lbs.



One Pair, No. 78F

BOARD MATCHING PLANES IN PAIRS

For Tonguing and Grooving Work of Any Kind. The Tonguing Plane Cuts the Tongue and the Matching Plane Fits the Groove. Without Handles or Side Plates, Separate Per Pair

No. 78F—Cutter 1⅝, ⅞, ¾, ⅝, 1 inch; 9½ inches Long. Average Weight per Pair 2¾ lbs. $3 00

One Pair Wrapped in Paper

No. 90F

NOSING

No. 91F

Just Rounding the Edges of Steps, etc.

	No. 90F—One Iron	
Width of Cutter, Inches	¾	1
Weight Each lbs.	1	1½
Each	$1 70	$ 90
	No. 91F—Two Irons	
Width of Cutter, Inches	¾	1
Weight Each, lbs.	1¾	2½
Each	$2 50	$ 60

	1¼	1½	1¾	2
	1½	1¾	2	2½
	$2 70	$2 80	$2 90	$3 00
	1¼	1½	1¾	2
	2½	3	3½	4
	$3 50	$3 60	$3 70	$3 80

No. 101F

PANEL PLOW

For Grooving for Panels; Adjustable to Depth, with Handle and Nickel Plated Stop Screw and 8 Cutters, One Each ¼, ⅜, ½, ⅝, ¾, ⅞, 1 inch

Each

7-16, 15, 14 $12 50

No. 99½F—Beechwood Arms, Not Bented. 13 00

No. 101F—Boxwood Arms, Bented Pattern

Weight Each 8½ lbs.

Each Plane Wrapped in Paper

TOOTH

Used by Furniture Makers, Cabinet Makers and Desk Manufacturers, as well as a Job Shaver, for Scratching or Roughing Work to Close with. Takes a Fine Bield

Each

No. 36F—Single Iron, 2¼ inch Cut, 7 inches Long $2 50

Weight Each 1½ lbs.

FANCY WOOD PLANES

NOTE—When Ordering Planes on This Page Give Both Number and Size

OHIO TOOL CO.

Beechwood, Plain Finish, Forged Tool Steel Cutters, Tempered, Ground and Polished, Ready for Use

BEADING PLANES

For Cutting Bead on Wainscoting or Other Work

Length 9½ inches

No. 37F Single Bead

SIDE BEAD

No. 38F—Double Bead

Width Cutter, Inches	3-16	¼	5-16	⅜	½	⅝	Width Cutter, Inches	¼	5-16	⅜	½
Each	$1 00	1 00	1 00	1 00	1 00	1 20	Each	$1 20	1 20	1 20	1 20
							Average Weight, lb.				

MOULDING PLANES

For Cutting Mouldings for Window Casings, Baseboards and Special Work

No. 43½F—QUARTER ROUND OR SCOTIA

Width Cutter, Inches	⅝	¾	1
Each	$1 00	1 10	1 40

Average Weight 1¾ lbs.

Loose; Wrapped in Heavy Paper

COMPARATIVE LIST OF WOOD PLANES

Showing Corresponding Numbers of Leading Manufacturers to Our Stock of Standard Planes

KIND	Shapleigh Hardware Co.	Ohio Tool Co.	Auburn Tool Co.	H Chapin's Sons	Sandusky Tool Co.	Sargent & Co.
Smooth, Single Iron	83	1	1	101	1	604
Smooth, Double Iron	83	2	2	112	3	612
Smooth, Handle	58	5	7	113½	8	613½
Jack, Single Iron	84½	12	9	105	10	805
Jack, Double Iron	84½	13	13	119	18	813
Jack, Razee Double	84½	17	10	113½	13	613½
Fore, Double Iron	85½	21	20	118	28	614
Fore, Handle Iron	85F	27	21x23	115	26	618
Tooth, Single Iron	86F	30	190	400	38	903
Tooth, Double Iron	87F	37	197	125	47	620
Bead, Single Bevel	88F	98	166	134	68	624
Bead, Double Bevel	89F	103	155½	217½	64½	717½
Casing	83½	43½	153	217	54	711
Scotia or Quarter Round	87F	47	170	226	60	633
Dado, Side Set	93F	68	177	148	62	639
Dado, Screw Stop	93F	69	119	148	67	648
Fillister Side Set	84F	50	124	180	69	650
Fillister Screw Stop	86F	59				
Common Ogee	96½F	62½	126½	207½	83½	707½
Reverse Ogee	95½F	63½		208		
Halfrou and Rounds	70F	72	189	163	92	665
Beehive and Rounds	70F	73	180	167	91	663
Match	70F	74	72	171	99	671
Nosing, One Iron	90F	90				
Nosing, Two Irons	91F	91	188	172	113	632
Panel Plow	98½F	96½	207	208	119	724
Panel Plow	101F	101	94	236	124	726
Rabbet Skew	110F	110	187	187	146	607
Rabbet, Jack	118F	119	51-58	180	149	659
Rabbet, Jack	119F	119½	58-58	189	149	660

DIAMOND EDGE BLOCK PLANES

Rolled Cast Iron Frame and Cap Higher Grade English Tool Steel Thin Bit Cutter
Oil Tempered, Ground and Hand Sharpened

ADJUSTABLE THROAT

The Throat Can be Quickly Opened or Closed for Finer or Coarse Work, by a Movement of the Cam Lever at Side

REGULAR

Japanned Top, Cap and Frame, Nickel Plated Cap and Nuts, Rosewood Top, Polished Face and Sides, Nickel Plated Brass Adjusting Nuts

		Each
No. DE15	7 inches Long, 1¾ inch Cut, Weight 1 lb.	$1.40
No. DE16	9 inches Long, 1¾ inch Cut, Weight 1¼ lbs.	1.40

LOW ANGLE

Japanned Top, Polished Face and Sides, Nickel Plated Cap and Nuts

		Each
No. DEX60	6 inches Long, 1½ inch Cut, Weight 1 lb.	$1.40
No. DEX65	7 inches Long, 1¾ inch Cut, Weight 1¼ lbs.	1.50

ADJUSTABLE

Japanned Top and Cap, Polished Face and Sides, Rosewood Knob

		Each
No. DEX820	7½ inches Long, 1¾ inch Cut, Weight 1¾ lbs.	$0.85

NON-ADJUSTABLE

Japanned Top and Cap, Polished Face and Sides, Rosewood Knob

		Each
No. DE810	7½ inches Long, 1¾ inch Cut, Weight 1¼ lbs.	$0.60

DOUBLE END, NON-ADJUSTABLE

With Two Slots and Reversible Cutter Seat

		Each
No. DE250	8 inches Long, 1¾ inch Cut, Weight 1¾ lbs.	$0.80

NO DF 60

Japanned Top and Cap, Rosewood Face and Sides

Black Enameled Cast Iron Frame, Nickel Plated Cap and Nuts, Adjustable, Weight about 2¼ lbs.

		Each
No. DE162	7 inches Long, 1¾ inch Cut	$0.45
No. DE163	9 inches Long, 1¾ inch Cut	0.60

WITH HANDLE

Japanned Top, Cap and Handle, Ground Face, Not Adjustable

		Each
No. DE250	8½ inches Long, 1 inch Cut, Weight 1½ lbs.	$0.90

All Above, One in a Box

WITHOUT HANDLE

Japanned Top, Sides and Cam, Ground Face, Not Adjustable

		Each
No. DE151	8½ inches Long, 1 inch Cut, Weight 1¼ lbs.	$0.32

*EXTRA PARTS FOR *DIAMOND EDGE* PLANES

In Ordering, Always Give Kind and Number of Plane for Which Part is Wanted, as well as the Figure Number of the Part Wanted. Ten Cents will be the Minimum Charge for Any Part Sent by Mail.

FINISHED PARTS FOR *DIAMOND EDGE* BENCH PLANES

Fig. A—Single Plane Iron
Fig. B—Top Plane Iron
Fig. C—Plane Iron Screw
Fig. D—Cap
Fig. E—Cap Screw
Fig. F—Frog Only
Fig. G—V Adjustment
Fig. H—Brass Adjusting Nut
Fig. I—Lever Only
Fig. J—Frog Screw
Fig. K—Frog Complete
Fig. L—Handle for Iron Plane
Fig. M—Handle for Wood Plane
Fig. N—Knob
Fig. O—Handle Bolt
Fig. P—Knob Bolt
Fig. Q—Handle Screw
Fig. R—Iron Plane Bottom
Fig. S—Top Corrugated Wood Plane
Fig. T—Bottom for Wood Plane

FINISHED PARTS FOR *DIAMOND EDGE* BLOCK PLANES

Fig. AB—Plane Iron
Fig. BB—Cap Only
Fig. CB—Cap Screw
Fig. DB—Cap Lever
Fig. EB—Adjusting Nut
Fig. FB—Bottom
Fig. GB—Extension Rod
Fig. HB—Eccentric Plate
Fig. IB—Iron Knob
Fig. JB—Wood Knob
Fig. KB—Adjusting Frog
Fig. LB—Adjusting Frog
Fig. MB—Lateral Lever
Fig. NB—Adjusting Screw
Fig. OB—Adjustment Dog
Fig. PB—Lever Screw

"*DIAMOND EDGE* IS A QUALITY PLEDGE"

DIAMOND EDGE BENCH PLANES

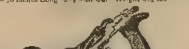
IRON ADJUSTABLE

Black Enameled Cast Iron Frames; Face of Bottom and Sides Ground True and Smooth; Composition Rubber Handles; Ebonized Wood Knob; Full Polished Cap and Cutters; Highest Grade English Tool Steel, Thin Bit Cutters; Oil Tempered, Ground and Hand Sharpened; Screw and Lever Adjustment; Brass Screw.

PLAIN BOTTOM

SMOOTH

		Each
No. DE3	8 inches Long, 1¾ inch Cut, Weight 3¼ lbs.	$2.70
No. DE5	9 inches Long, 2 inch Cut, Weight 3¾ lbs.	2.90
No. DE5½	10 inches Long, 2¼ inch Cut, Weight 5¼ lbs.	3.30



JACK

		Each
No. DE5	14 inches Long, 2 inch Cut, Weight 4¾ lbs.	$3.30
No. DE5½	15 inches Long, 2¼ inch Cut, Weight 5¼ lbs.	3.70

FORE

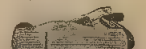
No. DE6	18 inches Long, 2¾ inch Cut, Weight 7¼ lbs.	4.80

JOINTER

No. DE7	22 inches Long, 2¾ inch Cut, Weight 7¾ lbs.	4.90
No. DE8	24 inches Long, 2¾ inch Cut, Weight 8¼ lbs.	5.70

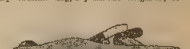
CORRUGATED BOTTOM

The Corrugated Bottom Lessens Friction and Makes an Easier Running Tool than the Smooth Bottom Plane.



SMOOTH

		Each
No. DEC3	8 inches Long, 1¾ inch Cut, Weight 3¼ lbs.	$2.70
No. DEC5	9 inches Long, 2 inch Cut, Weight 3¾ lbs.	2.90
No. DEC5½	10 inches Long, 2¼ inch Cut, Weight 5¼ lbs.	3.30



JACK

		Each
No. DEC5	14 inches Long, 2 inch Cut, Weight 4¾ lbs.	$3.30
No. DEC5½	15 inches Long, 2¼ inch Cut, Weight 5¼ lbs.	3.70

FORE

No. DEC6	18 inches Long, 2¾ inch Cut, Weight 7¼ lbs.	4.80

JOINTER

No. DEC7	22 inches Long, 2¾ inch Cut, Weight 7¾ lbs.	4.90
No. DEC8	24 inches Long, 2¾ inch Cut, Weight 8¼ lbs.	5.70

All Above, One in a Box

WOOD BOTTOM ADJUSTABLE

Selected Clear Beechwood Bottom, Handle and Knob. Perfectly Smooth and True Face. Polished Sides. Black Enameled Cast Iron Frame. Full Polished Cap and Cutter. Highest Grade English Tool Steel, Thin Bit Cutters. Oil Tempered, Ground and Hand Sharpened. Screw and Lever Adjustment, Brass Screw.

SMOOTH

		Each
No. DE33	8 inches Long, 1¾ inch Cut, Weight 2 lbs.	$1.70
No. DE39	8 inches Long, 1¾ inch Cut, Weight 3¼ lbs.	1.70
No. DE34	9 inches Long, 2 inch Cut, Weight 2¾ lbs.	1.80

HANDLED SMOOTH

		Each
No. DE35	9 inches Long, 2 inch Cut, Weight 3¼ lbs.	$2.20
No. DE36	10 inches Long, 2¼ inch Cut, Weight 4¼ lbs.	2.20

JACK

		Each
No. DE36	15 inches Long, 2 inch Cut, Weight 3¾ lbs.	$1.90
No. DE37	16 inches Long, 2¼ inch Cut, Weight 4¾ lbs.	2.10
No. DE37½	15 inches Long, 2¼ inch Cut, Weight 5¼ lbs.	2.10

FORE

No. DE38	18 inches Long, 2¼ inch Cut, Weight 6¼ lbs.	2.20
No. DE39	20 inches Long, 2¼ inch Cut, Weight 5¾ lbs.	2.20

JOINTER

		Each
No. DE31	24 inches Long, 2¾ inch Cut, Weight 6¼ lbs.	$2.40
No. DE32	28 inches Long, 2¾ inch Cut, Weight 7 lbs.	2.60
No. DE33	26 inches Long, 2¾ inch Cut, Weight 7¾ lbs.	2.60
No. DE34	30 inches Long, 2¾ inch Cut, Weight 8¼ lbs.	2.80

All Above, One in a Box

ADJUSTABLE BENCH PLANES

*BRIDGE TOOL CO.

This Cutter Used in this Line of Planes is of the Finest Tool Steel, Properly Tempered, Honed and Fitted. Works Equally Well in Hard and Soft Wood. The Face of the Plane is Made Perfectly True

IRON PLANES

Best Quality Cast Iron Parts. Ground Face and Sides. Japanned Inside. Varnished Hardwood Handle and Knob. Brass Adjusting Screw, Lateral and Longitudinal Adjustments.

PLAIN BOTTOM

SMOOTH

	Each
No. BX3—7 in. Long, 2 in. Cut, Wt. 4½ lbs.	$2 30
No. BX3—8 in. Long, 1¾ in. Cut, Wt. 3½ lbs.	2.00
No. BX4—9 in. Long, 2 in. Cut, Wt. 3½ lbs.	2.00

JACK

	Each
No. BX5—14 in. Long, 2 in. Cut, Wt. 12½ lbs.	$3 30
No. BX5½—15 in. Long, 2¼ in. Cut, Wt. 13½ lbs.	3.75

FORE

	Each
No. BX6—18 in. Long, 2¾ in. Cut, Wt. 16½ lbs.	$4 20

JOINTER

	Each
No. BX7—22 in. Long, 2¾ in. Cut, Wt. 18½ lbs.	$4 80
No. BX8—24 in. Long, 2¾ in. Cut, Wt. 20 lbs.	5 00

One in a Box.

CORRUGATED BOTTOM

The Corrugated Bottom Lessens Friction and Makes an Easier Running Tool Than the Smooth Bottom Plane.

SMOOTH

	Each
No. BX3C — 7 in. Long, 1¾ in. Cut, Wt. 2½ lbs.	$2 30
No. BX3C — 8 in. Long, 1¾ in. Cut, Wt. 2½ lbs.	2.00
No. BX4C — 9 in. Long, 2 in. Cut, Wt. 3½ lbs.	2.00
No. BX5½C—15 in. Long, 2¼ in. Cut, Wt. 13½ lbs.	3.75

JACK

	Each
No. BX5C — 14 in. Long, 2 in. Cut, Wt. 11½ lbs.	$3 30
No. BX6C—18 in. Long, 2¾ in. Cut, Wt. 16½ lbs.	4.20

FORE

	Each
No. BX6C—18 in. Long, 2¾ in. Cut, Wt. 16½ lbs.	$4 20

JOINTER

	Each
No. BX7C—22 in. Long, 2¾ in. Cut, Wt. 18½ lbs.	$4 80
No. BX8C—24 in. Long, 2¾ in. Cut, Wt. 20 lbs.	5 00

One in a Box.

WOOD BOTTOM

Adjustable Wood Bottom Planes with Iron Tops; Selected Beech Bottoms, Handle and Knob; Japanned Cast Iron Top

UNHANDLED SMOOTH

	Each
No. BX23—8 inches Long, 1¾ inch Cut, Wt. 2 lbs.	$1 70
No. BX24—9 inches Long, 2 inch Cut, Wt. 3 lbs.	1 70
No. BX24—9 inches Long, 2 inch Cut, Wt. 3 lbs.	1 70

HANDLED SMOOTH

	Each
No. BX25—9 in. Long, 2 in. Cut, Wt. 3½ lbs.	$2 00
No. BX26—10 in. Long, 2¼ in. Cut, Wt. 4½ lbs.	2.25

JACK

	Each
No. BX26—15 in. Long, 2 inch Cut, Wt. 13½ lbs.	$1 20
No. BX27—15 in. Long, 2½ inch Cut, Wt. 13½ lbs.	2.10

FORE

	Each
No. BX28—18 in. Long, 2¾ in. Cut, Wt. 16½ lbs.	$2 20
No. BX29—20 in. Long, 2¾ in. Cut, Wt. 18½ lbs.	2 20

One in a Box

JOINTER

	Each
No. BX27—24 in. Long, 2½ in. Cut, Wt. 20½ lbs.	$2.60
No. BX32—26 in. Long, 2½ in. Cut, Wt. 22½ lbs.	2.80
No. BX33—28 in. Long, 2½ in. Cut, Wt. 24½ lbs.	2.90

One in a Box

IRON BLOCK LANES

*BRIDGE TOOL CO.

Best Quality Cast Iron Body and Cap; Tool Steel Cutters, Tempered, Ground and Polished

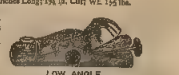
ADJUSTABLE THROAT

Machined and Polished Cast Iron Face and Sides, Ground Face and Sides. Japanned or Nickel Plated Cap and Inside. Brass or Nickel Plated Adjustment Screws.

Throat Can be Quickly Opened or Closed for Coarse or Fine Work. Sides are Depressed to Give Firm Grip Hold on Tool. Lateral and Longitudinal Adjustment. Japanned Inside and Cap; Polished Bottom and Sides; Brass Adjusting Screws

	Each
No. BX34—6 inches Long; 1¾ inch Cut; Weight 1¼ lbs.	$1 20
No. BX15—7 inches Long; 1¾ in. Cut; Wt. 1¾ lbs.	$1 35

KNUCKLE JOINT



LOW ANGLE

Japanned Top; Polished Face and Sides; Nickel Plated Brass Adjusting Nuts. Nickel Plated Screws and Trimmings, Japanned Inside of Frame; Ground and Polished Face and Sides. Lateral and Longitudinal Adjustment.

	Each
No. BX18—6½ in. Long; 1¾ in. Cut; Wt. 1¾ lbs.	$3.50
No. BX60—6 inches Long; 1¾ inch Cut; Wt. 1¼ lbs.	$3.60
No. BX65—7 inches Long; 1¾ inch Cut Wt. 1¾ lbs.	3.60

One in a Box

PLAIN THROAT

Cast Iron Body and Cap; Tool Steel Cutter; Tempered, Ground and Polished

TOY SIZES

For Amateurs Use and Boys Tool Chests. All Japanned, Ground Face and Blade

WITHOUT HANDLE

WITH HANDLE

	Each
No. BX101—3½ inches Long 1 inch Cut. Weight ¾ lb.	$0.30
No. BX100—4½ inches Long 1 inch Cu. Weight ¾ lb.	$0.36

NON-ADJUSTABLE

Blade Secured or Released by Turning Thumb Wire

With Beech-wood Knob

	Each
No. BX102—6½ inches Long; 1¾ inch Cut; Weigh 2¼ lbs.	$0.40
No. BX110—7½ inches Long, 1¾ in. Cu. Wt. 2½ lbs.	$0.60

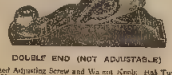
ADJUSTABLE

Blade Secured or Released by Turning Thumb Wheel Longitudinal Adjustment at Cutter

LEVER ADJUSTMENT

SCREW ADJUSTMENT

	Each
No. BX136—8½ inches Long; 1¾ inch Cut; Wt. 2 lbs.	$0.63
No. BX[illegible]—7½ in. Long; 1¾ in. Cut, Wt. 1¾ lbs.	$0.75



DOUBLE END (NOT ADJUSTABLE)

Japanned Frame and Trimmings. Nickel Plated Adjusting Screw and Wing Nut. Knob Has Two Slots and a Movable Cutter Seat. Cutter can be Removed and Seat Reversed when it is Desired to Use the Tool as a Jointing Plane when Working up to Wide or Into Corners.

	Each
No. BX120—8 inches Long; 1¾ inch Cut. Weight 2 lbs.	$2.40

One in a Box

"DIAMOND EDGE IS A QUALITY PLEDGE"

IRON BLOCK PLANES

BAILEY PATENT

Cast Iron Body and Cap. Mouth and Iron Polished Face and Side. Japanned Inside. Brass Adjusting Screw, Tool Steel Cutters, Tempered, Ground and Polished. The Throat Can be Quickly Opened or Closed for Coarse or Fine Work. Made with the "Handy" Feature or Depression on the Sides, which Gives a Better Grip on the Face.

REGULAR

The Throat is Adjusted for Coarse or Fine Work by Movement of a Cam Lever at the Nose

Japanned Trimmings

		Each
No. 8½—8 inches Long, 1¾ inch Cut	Weight 4¾ lbs.	$1 40
No. 15—7 inches Long, 1¾ inch Cut	Weight 4¼ lbs.	1 00

Nickel Plated Trimmings

		Each
No. 16—8 inches Long, 1¾ inch Cut	Weight 4¾ lbs.	$1 70
No. 17—7 inches Long, 1¾ inch Cut	Weight 4¼ lbs.	1 00

LOW ANGLE

		Each
No. 60½—8 inches Long, 1¾ inch Cut	Weight 4¾ lbs.	$1 40
No. 65½—7 inches Long, 1¾ inch Cut	Weight 4¼ lbs.	1 00

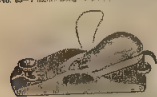
Nickel Plated Trimmings

		Each
No. 60—8 inches Long, 1¾ inch Cut	Weight 4¾ lbs.	$1 70
No. 65—7 inches Long, 1¾ inch Cut	Weight 4¼ lbs.	1 00

Solid Throat, not Adjustable. Japanned Trimmings, Rosewood Knob.

		Each
No. 51—8 inches Long, 1¾ inch Cut	Weight 4¾ lbs.	$1 70
No. 63—7 inches Long, 1¾ inch Cut	Weight 4¼ lbs.	1 00

Box in a Box



KNUCKLE JOINT

Nickel Plated Trimmings, Brass Adjusting Nuts

		Each
No. 32—6 inches Long, 1¾ inch Cut	Weight 4¾ lbs.	$2.00
No. 29—7 inches Long, 1¾ inch Cut	Weight 4¾ lbs.	2 10

ROSEWOOD HANDLE

The Throat is Adjusted for Coarse or Fine Work by Movement of a Cam Lever at the Nose. Japanned Cap, Brass Adjusting Nuts, Rosewood Handle Knob

		Each
No. 62—6 inches Long, 1¾ inch Cut	Weight 4¾ lbs.	$1.80
No. 152—7 inches Long, 1¾ inch Cut	Weight 4¾ lbs.	2.00

Case in a Box

DOUBLE END ADJUSTABLE

Has Two Slots and a Movable Cutter Seat To Use in Corners as a Bull Nose Plane. Remove Cap and Cutter and Reverse the Cutter Seat as Indicated in Cut

Japanned Frame and Trimmings, Nickel Plated Adjusting Screw and Rosewood Handle

		Each
No. 123—Double-Ender, 8 inches Long, 1¾ inch Cut	Weight 4¾ lbs.	$5 60

STANLEY PATENT

Cast Iron Body and Cap, Tool Steel Cutter, Tempered, Ground and Polished

WITHOUT HANDLE

Japanned Cap and Sides, Ground Face. Not Adjustable

		Each
No. 101—3½ inches Long, 1 inch Cut	Weight 1½ lb.	$0 35

TOY SIZES

WITH HANDLE

		Each
No. 100—3¼ inches Long, 1 inch Cut	Weight 1½ lbs.	$0 60

No. 103

Japanned, Inside Polished Face and Sides

		Each
3½ inches Long, 1¼ inch Cut		$0 50
No. 105—Nos. right-side		70
No. 106—Adjustable	Weight about 2½ lbs.	

NON-ADJUSTABLE

Ground Face and Sides, Japanned Cap and Handle

		Each
No. 116—Hardwood, Black Enameled Knob	7¼ inches Long; 1¾ inch Cut; Weight 4.55 lbs.	$0 70

ADJUSTABLE

		Each
No. 220—Rosewood Knob	7 inches Long; 1¾ inch Cut. Weight 3.35 lbs.	$1 00

With Screw Adjustment

Case in a Box

DOUBLE END NON-ADJUSTABLE

		Each
No. 150—Hardwood, Black Enameled Knobs	7¼ inches Long, 1¾ inch Cut. Weight 4¼ lbs.	$0 90

Has Two Slots and a Movable Cutter Seat To Use in Corners as a Bull Nose Plane. Remove Cap and Cutter and Reverse the Cutter Seat as Indicated in Cut.

BAILEY BENCH PLANES

STANLEY RULE AND LEVEL CO

Japanned Cast Iron Frame. Varnished Rosewood Handle and Knob. Polished Steel Cap, Tempered and Polished Tool Steel Cutters, Screw and Lever Adjustment. Brass Screw.

BAILEY IRON

PLAIN BOTTOM

		Each
No. 1	6¼ inches Long; 1¾ inch Cut; Wt. 4¼ lbs.	$2.00
No. 2	7¼ inches Long; 1¾ inch Cut; Wt. 5 lbs.	2.20
No. 3	8½ inches Long; 1¾ inch Cut; Wt. 5¾ lbs.	2.60
No. 4	10 inches Long; 2 inch Cut; Wt. 8 lbs.	3.50
No. 4½	10 inches Long; 2¼ inch Cut; Wt. 8 lbs.	

JACK

		Each
No. 6	14 inches Long; 2 inch Cut; Wt. 8 lbs.	$3 50
No. 6½	15 inches Long; 2¼ inch Cut; Wt. 8½ lbs.	4 00

FORE

		Each
No. 8	18 inches Long; 2¾ inch Cut; Wt. 7½ lbs.	4.50

JOINTER

		Each
No. 7	22 inches Long; 2¾ inch Cut; Wt. 8½ lbs.	5.00
No. 8	24 inches Long; 2¾ inch Cut; Wt. 9½ lbs.	6 00

CORRUGATED BOTTOM

The Corrugated Bottom Lessens Friction and Makes an Easier Running Tool than the Smooth Bottom Plane.

SMOOTH

		Each
No. 2C	7¼ in. Long; 1¾ inch Cut; Wt. 2¼ lbs.	$2.00
No. 3C	8½ in. Long; 1¾ inch Cut; Wt. 2½ lbs.	2.20
No. 4C	10 in. Long; 2 inch Cut; Wt. 3¼ lbs.	3.10
No. 4½C	10 in. Long; 2¼ inch Cut; Wt. [illegible] lbs.	3.20

JACK

		Each
No. 5C	14 inches Long; 2 inch Cut; Wt. 4[illegible] lbs.	$3.70
No. 5½C	15 inches Long, 2¼ inch Cut; Wt. 6[illegible] lbs.	4.00

FORE

		Each
No. 8C	18 inches Long; 2¾ inch Cut; Wt. 7 lbs.	6.00

JOINTER

		Each
No. 7C	22 inches Long; 2¾ inch Cut; Wt. 8 lbs.	8.00
No. 8C	24 inches Long; 2¾ inch Cut; Wt. 9½ lbs.	9.00

BAILEY WOOD BOTTOM

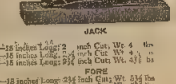
Varnished Beechwood Bottom, Knob and Handle; Japanned Cast Iron Frame and Cap; Tempered Tool Steel Cutter, Ground and Polished, Screw and Lever Adjustment

SMOOTH, WITHOUT HANDLE

		Each
No. 32—7¼	inches Long; 1¾ inch Cut, Weight 2¼ lbs.	$1.60
No. 33—8	inches Long; 1¾ inch Cut; Weight 2½ lbs.	1.80
No. 33—9	inches Long; 1¾ inch Cut, Weight 2¾ lbs.	1 90
No. 34—8	inches Long; 2 inch Cut. Weight 2¾ lbs.	1 90

HANDLED SMOOTH

		Each
No. 35—	8½ in. Long; 2 inch Cut, Wt. 3¼ lbs.	$2 40
No. 35½—	9 in. Long; 2¼ inch Cut; Wt. 4 lbs.	2 70

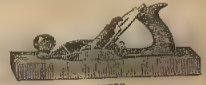


JACK

		Each
No. 36	18 inches Long; 2 inch Cut, Wt. 4 lbs.	$2 80
No. 37	18 inches Long; 2¼ inch Cut, Wt. 4½ lbs.	3 00
No. 37½	18 inches Long; 2¼ inch Cut; Wt. 4½ lbs.	3 10

FORE

		Each
No. 38	18 inches Long; 2¾ inch Cut; Wt. 5½ lbs.	$3 60
No. 39	20 inches Long; 2¾ inch Cut; Wt. 6½ lbs.	4 00



JOINTER

		Each
No. 40	22 inches Long, 2¾ inch Cut; Wt. 6½ lbs.	$3 80
No. 41	24 inches Long; 2¾ inch Cut, Wt. 6¾ lbs.	3 80
No. 39	26 inches Long; 2¾ inch Cut; Wt. 7 lbs.	3 10
No. 39	26 inches Long; 2¾ inch Cut; Wt. 7¼ lbs.	3 20

All Above, Case in a Box

"DIAMOND EDGE IS A QUALITY PLEDGE."

STANLEY BENCH PLANES

STANLEY RULE AND LEVEL CO.

Japanned Iron Steel Frame, Varnished Rosewood Handle and Knob, Polished Steel Cap; Plain Adjusting Screw; Screw and Lever Adjustment Tempered, Ground and Polished Tool Steel Cutters.

IRON PLANES

Stanley Bed Rock Planes Combine the Utmost Simplicity and Rigidity with a Wide Range of Adjustment, the Surfaces are so Machined as to Fit Perfectly, Making it as Rigid as if Mortised Into Place of Main Body. The Frog is Planed Exact and is Designed that its Lower Bottom Rests Solidly on a Seat Formed in the Plane Body, which Gives Great Accuracy of Adjustment to the Frog and Prevents any Possibility of its Rocking. The Parts of a Screw the Plane is Shipped in Hard or Soft Steel.

BED ROCK PLAIN BOTTOM

BED ROCK CORRUGATED BOTTOM

The Corrugated Bottom Lessens Friction and Makes an Easier Running Tool than the Smooth Bottom Plane.

SMOOTH

		Each
No. 602	7 in. Long; 1¾ inch Cut; Wt. 2½ lbs.	$3 60
No. 603	8 in. Long; 1¾ inch Cut; Wt. 3 lbs.	3 90
No. 604	9 in. Long; 1¾ inch Cut; Wt. 3½ lbs.	4 50
No. 604½	9 in. Long; 2⅜ inch Cut; Wt. 4 lbs.	4 80

SMOOTH

		Each
No. 603C	7 in. Long; 1¾ inch Cut; Wt. 2½ lbs.	$3 20
No. 603¼C	8 in. Long; 1¾ inch Cut; Wt. 3 lbs.	3 40
No. 604C	9 in. Long; 1¾ inch Cut; Wt. 3½ lbs.	3 90
No. 604½C	9 in. Long; 2⅜ inch Cut; Wt. 4 lbs.	4 10

JACK

		Each
No. 605	14 in. Long; 2¼ inch Cut; Wt. 4½ lbs.	$4 80
No. 605½	15 in. Long; 2⅝ inch Cut; Wt. 6 lbs.	4 80

JACK

		Each
No. 605C	14 in. Long; 2¼ inch Cut; Wt. 4½ lbs.	$5 10
No. 605½C	15 in. Long; 2⅝ inch Cut; Wt. 6 lbs.	4 60

FORE

No. 606	15 in. Long; 2¾ inch Cut; Wt. 7½ lbs.	5 00

FORE

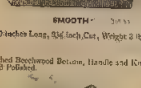
No. 606C	18 in. Long; 2¾ inch Cut; Wt. 7½ lbs.	5 20

JOINTER

No. 607	22 in. Long; 2¾ inch Cut; Wt. 9½ lbs.	5 80
No. 608	24 in. Long; 2¾ inch Cut; Wt. 9 lbs.	7 00

JOINTER

No. 607C	22 in. Long; 2¾ inch Cut; Wt. 9½ lbs.	6 00
No. 608C	24 in. Long; 2¾ inch Cut; Wt. 9 lbs.	7 00



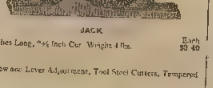
SMOOTH

No. 102—6 inches Long, 1¾ inch Cut, Weight 2 lbs. Each $3 70

WROUGHT STEEL

Especially Adapted for Working on Hard Woods.

The Entire Sides of Wrought Steel Rebate to Plane Perfectly Instruction Bar Corners are Cast Iron Brass and Lever Adjustment of Brass Frame and Cap. Varnished Rosewood Handle and Knob. Tool Steel Tempered and Ground Cutter.

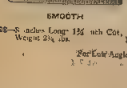


JACK

No. 165—14 inches Long, 2⅜ inch Cut, Weight 4 lbs. Each $5 40

WOOD BOTTOM

Varnished Beechwood Bottom, Handle and Knob. Japanned Cast Iron Frame and Cap. Screw and Lever Adjustment, Tool Steel Cutters, Tempered Ground and Polished.

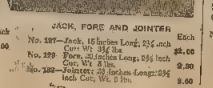


SMOOTH

		Each
No. 128	8 inches Long; 1¾ inch Cut, Weight 3¼ lbs.	$1 60

HANDLED SMOOTH

		Each
No. 128	10 inches Long; 2¼ inch Cut; Weight 3 lbs.	$2 00



JACK, FORE AND JOINTER

		Each
No. 127	Jack, 18 inches Long; 2¾ inch Cut; Wt. 8¾ lbs.	$2 00
No. 129	Fore, 20 inches Long; 2¾ inch Cut; Wt. 8 lbs.	2 20
No. 132	Jointer, 30 inches Long; 2¾ inch Cut; Wt. 9 lbs.	2 60

For Low Angle Jack Planes, See Page 71

All Above, One in a Box.

STANLEY FANCY PLANES

BELT MAKERS

Japanned Cast Iron Frame, Polished Fence 11 inch Rosewood Handle. Designed for Chamfering Down the Lape of a Belt Before Fastening Ends Together. The Bottom is Fitted with a Moveable Fence by Means of Which the Width of the Mouth or Gutter Opening can be Accurately Adjusted. The Cutter has a Screw Adjustment to Regulate the Depth of Cut.

No. 12—8½ inches Long, 2⅝ inch Cutter. Each $3.10

CARRIAGE MAKERS RABBET

Japanned Cast Iron Frame, Polished Steel Sides and Bottom, Rosewood Handle and Knob. The Handle and Knob can be turned to either Side, thus Allowing Ample Room for Workman's Hands when Working Close up to Perpendicular Sides of Any Height. It is Supplied with Spurs on each Side as it will Rabbet Across the Grain Equally as well as with it.

		Each
No. 10½	Smooth Bottom 12 in. Long; 2⅜ in. Cutter. Weight 4½ lbs.	$6.10
No. 10½C	Corrugated Bottom 12 in. Long; 2⅜ inch Cutter. Weight 4½ lbs.	6.50

SKEW CUTTER, FILLESTER AND RABBET

Japanned Frame and Handle. Polished Face. The Plane has an Extra Wide Cutter set on a Skew. The Fence and Depth Gauge can be attached to either Side so that the Plane can be used for either right or left hand Work. The Rebate Sides under the Bottom, Regulating the Width of Cut, also has Two Adjustable Spurs, One on Each Side. By Removing the Depth Gauge, Fence and Arm a Superior Rabbet Plane is Obtained.

No. 229—8½ inch Long, 2⅛ inch Cutter. Weight 4 lbs. Each $3 00

DOVETAIL TONGUE AND GROOVE

For Forming a Dovetail Tongue and Groove, where the Width of Neck is more than ¼ inch in Width or where the Depth of the Groove is not more than ½ inch. Three Sizes of Cutters are Furnished for forming Grooves. Smaller Size for ⅜ inch, ½ inch Boards. Medium Size for ½ and ⅝ inch Boards. Large Size for ¾ to 2 inch Boards. One Size Cutter will Cut any Size Tongue.

		Each
No. 44	Nickel Plated Frame; Length 8½ inches; Packed in a Neat Hardwood Box 10½x2½x3 inches. Weight, Complete 6 lbs.	$11 00

Complete Directions with Each Plane

CORE BOX NICKEL PLATED Beechwood Knob and Handle

For Working Circles up to 5 inches in Diameter. The Sides of the Plane are at Right Angles, Consequently the Point of the Iron will be Right at the Corner of the Circle when the Sides Rests on the Edges of the Cut. One Pair of Side Rests are Furnished with Each Plane. For Working Circles up to 10 inches Furnished with Side Rests in Pairs. For Working Circles from 5 inch to 10 inches, Extra Side Rests up to 2 inches in Diameter Additional Pair Adding 2½ inches to the Diameter Each Respectively, so that for Working up to 10 inches, the Practical Limit of the Plane.

		Each
No. 67	With One Pair Sections	$6.50
	Extra Sections	Per Pair $1.00

CORE BOX

Japanned Iron Stock, Polished Face, Rosewood Handle. Especially Designed for Making Semi-Circular Core Boxes, Working Semi-Circles from ⅜ to 2 inches in Diameter.

		Each
No. 89	4 inches Long. Weight 3 lbs.	$3.60

One in a Box

STANLEY FANCY PLANES

STANLEY RULE AND LEVEL CO.

Cast Iron Body, Machined Face and Sides, Japanned Inside, Nickeled Rosewood Handle and Knob. Extra Quality Tool Steel Cutter, Tempered, Ground and Carefully Honed. Full Polished.

LOW ANGLE JACK

Screw Adjustment; Adjustable Throat

Especially Adapted for Use on Cutting Across the Grain or End Work, where More Power is Required than Can be Obtained by the Use of the Ordinary Block Plane. Fitted with Patent Adjustable Throat which Enables the User to Work Equally Well on Hard or Soft Wood.

		Each
No. 62—	14 Inches Long; 2 inch Cut. Weight 4 lbs.	$4 00

FURRING

For Preparing Lumber as it Comes Roughly Sawed from the Mill to Remove the Rough Cut before Using a Smooth Plane.

The Construction of the Bottom is such that it will Accomplish this Very Rapidly. Thumb Rests on Bearings at Cutter and Heel, Reducing Friction to a Minimum.

		Each
No. 540—	9 Inches Long; 2 inch Cut. Weight 3½ lbs.	$3 50

EDGE PLANE

With Screw Adjustment; Rosewood Knob

For Plane Makers and all Cabinet Workers for Trimming Inside Work where Space Prevents the Use of Any Other Plane.

		Each
No. 97—	9½ Inches Long, 2¼ inch Cut, Weight 2½ lbs.	$3 00

IMPROVED SCRUB PLANE

This Tool has a Single Iron with the Cutting Edge Rounded and is Particularly Adapted for Roughing Down Work Before Using a Jack or Other Plane.

		Each
No. 40—	9½ Inches Long; 1¾ inch Cut. Wt. 2½ lbs.	$1 60
No. 40½—	14½ Inches Long; 1¾ inch Cut, Wt. 3½ lbs.	2 00

CARRIAGE MAKERS RABBET

	Screw Adjustment Adjustable Throat	Each
No. 10½	Smooth Bottom, 9 inches Long, 1¼ inch Cut Weight 2½ lbs.	$3 00
No. 10	Smooth Bottom, 9 inches Long, 2 inch Cut Weight 2¾ lbs.	4 50
No. 10¼	Corrugated Bottom; Size of No 10½	4 00
No. 10¾	Corrugated Bottom; Size of No. 10	4 50

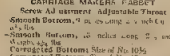


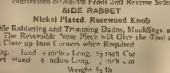
Illustration of No. 68 Front and Reverse Sides

SIDE RABBET

Nickel Plated, Rosewood Knob

For Side Rabbeting and Trimming Dados, Mouldings and Grooves in all Sorts. The Reversible Nose Piece will Give the Tool a Form which Will Work Close up Into Corners when Required.

		Each
No. 98—	Beech, 7 inches Long, ½ inch Cut	$1 40
No. 99—	Cut Steel, 7 inches Long, ½ inch Cut Weight 1¼ lb.	1 60



BULL NOSE RABBET

Adjustable Cutter and Throat Opening. Polished Face and Side. Polished and Nickel Plated Top and Frog. Fitted with the "Handy" Feature which Permits a Side and Right Cut on the Tool.

This Plane is Designed for Fine Cabinet Work where Extreme Accuracy is Desired. The Sides and Bottom Being Square with Each Other, the Plane will Lie Perfectly Flat on Either Side, and Can be Used Right or Left.

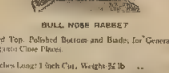
		Each
No. 90—	5½ Inches Long; 1 inch Cut, Weight 1¾ lbs.	$3 00
No. 82—	5½ Inches Long, ¾ inch Cut Weight 1 lb.	$2 25
No. 83—	6½ Inches Long; 1 inch Cut Weight 1¾ lbs.	4 00

RABBET AND BLOCK

With Detachable Side, Screw Adjustment

The Detachable Side will Easily Change this Tool from a Block Plane to a Rabbet Plane or Vice Versa. The Cutter is Set Askew.

		Each
No. 188—	7 inches Long; 1¾ inch Cut, Weight 1¾ lbs.	$3 00



BULL NOSE RABBET

Japanned Top, Polished Bottom and Blade, for General Rabbeting and Working in Close Places.

		Each
No. 75—	4 Inches Long; 1 inch Cut, Weight 2¼ lb.	$2 60

CABINET MAKER RABBET

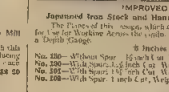
STANLEY FANCY PLANES

IMPROVED RABBET

Japanned Iron Stock and Handle, Polished Face and Edge

The Planes of this Design, which are Fitted with Spur, are Adaptable for Use for Working Across the Grain as Well as Other Planes Fitted with a Depth Gauge.

	½ Inches Long	Each
No. 220—	Without Spur, 15 inch Cut Weight, 2½ lbs.	$1 50
No. 220½—	With Spur, 1⅝ inch Cut Weight 2½ lbs.	1 50
No. 201—	With Spur, 1⅝ inch Cut Weight 2½ lbs.	1 80
No. 103—	With Spur, 1 inch Cut, Weight 2 lbs.	1 80



DUPLEX RABBET AND FILLISTER

Japanned Frame and Handle

The Arm can be Secured and either Used as a Stock Mark or a Separate Depth Gauge and Lined Fillister when the Arm is Set at Right Angles, as Adapted for Working Across the Grain. It does not Scratch When in Use.

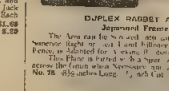
This Plane is Fitted with a Spur, a Gauge that can be Used for Working across the Grain when Necessary, and also has a Screw Gauge.

		Each
No. 78—	8½ inches Long; 1¾ inch Cut Weight 3 lbs.	$3 00

ADJUSTABLE TONGUE AND GROOVE

Nickel Plated Stock and Handle; Rosewood Knob

		Each
No. 48—	Length 10½ inches. Cuts ⅛, 3/16, inch Groove on Boards ½ to 1¼ inches, Centers on ¼ inch Weight 2¾ lbs.	$3 70



ADJUSTABLE BEAD NG MATCHING AND RABBET

Nickel Plated with Rosewood Handle and Knob

This Plane Embraces: 1—Beading and Center Beading Plane; 2—Rabbet and Fillister; 3—Side; 4—Plow; 5—Matching Plane, 6—Sash Plane and 7—a Superior Skirting Plane.

Each Plane has Seven Beading Tools, 3, 3/16, 1/4, 5/16, 3/8, 7/16 and ½ inch. Tow Plane and Dado Bits, 3, 3/16, 1/4, 5/16, 3/8, 7/16 and ½ inch and a Skirting Blade or Tonguing Tool and a Sash Tool.

		Each
No. 45—	9 inches Long; Weight 9½ lbs.	$12 00

IMPROVED DADO

Japanned Iron Stock and Handle, Polished Face and Edge

The Cutters are set in the Plane Askew. Fitted with Depth Gauge and Two Adjustable Nickel Length 8 inches.

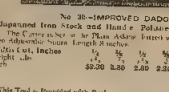
Width of Cut, Inches	⅛	3/16	¼	5/16	⅜	7/16	½
Weight, Lbs.	2¼	2¼	2¼	2¼	2½	2½	2¾
Each	$2.20	2.20	2.20	2.20	2.20	2.20	2.20

No 38—IMPROVED DADO

Japanned Iron Stock and Handle, Polished Face and Edge

The Cutters are set in the Plane Askew. Fitted with Depth Gauge and Two Adjustable Nickel Length 8 inches.

Width of Cut, Inches	⅛	3/16	¼	5/16	⅜	7/16	½
Weight, Lbs.	2¼	2¼	2¼	2¼	2½	2½	2¾
Each	$2.20	2.20	2.20	2.20	2.20	2.20	2.20

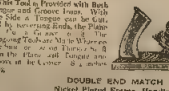


This Tool is Provided with Both Tongue and Groove Irons. With One Side a Tongue and the Other, and by Reversing Ends, the Plane will be Converted into a Tonguing and Grooving Tool. Also Will Work on Two Different Sizes of Stock than the Plane and Tongue and Groove at the Center of 8 inches Long.

DOUBLE END MATCH

Nickel Plated Frame, Handle and Cap

No. 166—	Matches ¾ inch Boards Cuts Groove ¼ inch Wi 4½ lbs.	$3.00
No. 147	Matches ¾ inch Boards Cuts Groove 3/16 in Wi 2¼ lbs.	2.00
No. 148—	Matches ¾ inch Boards Cuts Groove ¼ inch, Wi 2¾ lbs.	3.00

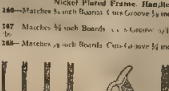


COMB HEAD BEAD NG AND MATCHING

Nickel Plated Stock and Fence

This Tool for Ordinary Beading or for Center Beading cannot be Surpassed. By the Adjustment of the Fence, Center Beading can be Done up to Five Inches from the Edge of a Board. Except for Working across the Grain the Fence need not be Used.

		Each
No. 50—	8¾ Inches Long; With Beading Cutters 1/8, 3/16, 1/4 and 5/16 inch and ½ inch, and One Pair ¾ inch Matching Cutters. Weight 3½ lbs.	$6.50



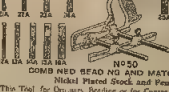
TRAUT'S ADJUSTABLE DADO, FILLISTER, PLOW, ETC.

Nickel Plated Frame, Rosewood Handle and Knob

		Each
No. 46—	9 inch 10½ inches with Eight Plow and Dado Bits, 3/16, 1/4, 5/16, 3/8, ½ and 13/16 inch. One Fillister Cutter One Skirting Blade and One Tonguing Tool A (Except the Cutting Blades are same as on Plane 5 each and Askew Weight 5¾ lbs.	$7.50

TRAUT'S ADJUSTABLE DADO

		Each
No. 47—	Same Tools as No. 46 but 1 and no 4 Dado Only each Bits 3/16, 1/4, 5/16 3/8 and 13/16 inch, and Skirting Tool, Weight 9 lbs.	$8.00



A Above One to a Box

STANLEY FANCY PLANES

ADJUSTABLE PLOW FILLESTER AND MATCHING PLANE
Nickel Plated with Rosewood Handles

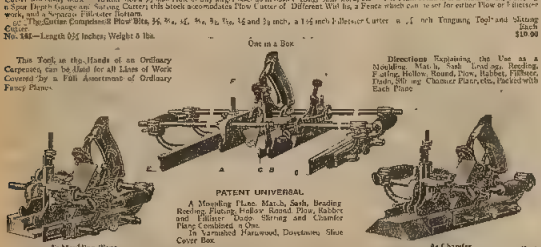
This Plane has two Interchangeable Front Parts that make it either an ordinary Plow or Ball Nose Plane. With the Ball Nose attachment the Cutter will easily work to within 1/16 inch Hole or any longer mark as in Rabbet Work. Scale work, etc. The Plow consists of a Main Stock, Carrying a Spur Depth Gauge and Slitting Cutter; this stock accomodates Plow Cutter of Different Width, and can be used for either Plow or Fillester work, with a Separate Fillester Bottom.

No. 582—The Combination Complement Plow Plane, 3/16, 5/16, 7/16, 9/16, 11/16 and 13/16 inch, 1 1/16 inch Fillester Cutter, 1 inch Tonguing Tool and Slitting Cutter. Each $19 00

One in a Box

This Tool, in the Hands of an Ordinary Carpenter, can be Used for all Lines of Work Covered by a Full Assortment of Ordinary Fancy Planes.

Directions Explaining the Use as a Moulding, Match, Sash, Beading, Reeding, Fluting, Hollow, Round, Plow, Rabbet, Fillester, Dado, Sticking, Chamfer Plane, etc., Packed with Each Plane

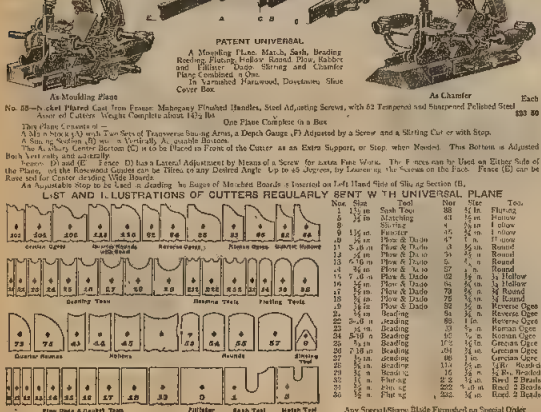

PATENT UNIVERSAL
A Moulding Plane, Match, Sash, Beading, Reeding, Fluting, Hollow, Round, Plow, Rabbet and Fillister Dado, Sticking and Chamfer Plane Combined in One.
In Varnished Rosewood, Dovetailed Slide Cover Box.
As Moulding Plane
As Chamfer

Each
No. 55—Nickel Plated Cast Iron Frame, Mahogany Finished Handles, Steel Adjusting Screws, with 62 Tempered and Sharpened Polished Steel Assort ed Cutters. Weight Complete about 14½ lbs $33 80

One Plane Complete in a Box

This Plane Consists of a Main Stock (A) with Two Sets of Transverse Sawing Arms, a Depth Gauge (F) Adjusted by a Screw and a Slitting Cut er with Stop.
A Sawing Section (B) moves Vertically, Adjustable Bottom.
The Auxiliary Center Section (C) is to be Placed in Front of the Cutter as an Extra Support, or Stop when Needed. This Bottom is Adjusted Both Vertically and Laterally.
Tongues (D) and (E) Fence (D) has a Lateral Adjustment by Means of a Screw for Extra Fine Work. The Fences can be Used on Either Side of the Plane, and the Rosewood Guides can be Fitted to any Desired Angle Up to 45 Degrees, by Loosen ng the Screws on the Face. Fence (E) can be Reve sed for Center Bedding Wide Boards.
An Adjustable Stop is to be Used in Beading the Edges of Matched Boards a Inserted on Left Hand Side of Sliding Section (B).

LIST AND ILLUSTRATIONS OF CUTTERS REGULARLY SEW TH UNIVERSAL PLANE



Nos.	Size	Tool	Nos.	Size	Tool
1	1/16 in	Sash Tool	101	1/8 in	Fluting
2	1/16 in	Matching	61	1/8 in	Hollow
3	1/16 in	Sinking	4	1/8 in	Hollow
4	1/16 in	Fillister	45	1/8 in	Hollow
10	1/8 in	Plow & Dado	47	1 in	Hollow
11	3/16 in	Plow & Dado	48	1/8 in	Round
12	1/4 in	Plow & Dado	50	1/8 in	Round
13	5/16 in	Plow & Dado	5	1/8 in	Round
14	3/8 in	Plow & Dado	52	1 in	Round
15	7/16 in	Plow & Dado	62	1/8 in	1/8 Hollow
16	1/2 in	Plow & Dado	82	1/8 in	1/8 Hollow
17	5/8 in	Plow & Dado	72	1/8 in	1/8 Round
18	3/4 in	Plow & Dado	78	1/8 in	1/8 Round
19	7/8 in	Plow & Dado	86	1/8 in	Reverse Ogee
20	1/8 in	Beading	84	1/8 in	Reverse Ogee
21	3-16 in	Beading	88	1/8 in	Reverse Ogee
22	1/4 in	Beading	13	1/8 in	Roman Ogee
23	5/16 in	Beading	15	1/8 in	Roman Ogee
24	3/8 in	Beading	16	1/8 in	Grecian Ogee
25	7/16 in	Beading	17	1/8 in	Grecian Ogee
26	1/2 in	Beading	64	1/8 in	Gothic Ogee
27	5/8 in	Beading	66	1 in	Gothic Ogee
28	3/4 in	Beading	110	1/8 in	1/8 Bead
29	7/8 in	Beading	112	1/8 in	1/8 Bead
30	1/8 in	Fluting	2 2	1/8 in	Bead 2 Beads
31	3/16 in	Fluting	222	1/8 in	Bead 2 Beads
36	1/8 in	Flut ng	322	1/8 in	Bead 2 Beads

Any Special Shape Blade Furnished on Special Order

"DIAMOND EDGE IS A QUALITY PLEDGE"

STANLEY FANCY PLANES

WOOD WORKERS HANDY ROUTER

Nickel Plated Cast Iron Frame and Mountings, Polished Tool Steel Blade, Polished Rosewood Knobs; for Smoothing the Bottom of Grooves, Bits can be Changed to the Back Side of the Upright Post and Outside the Stock for Planing into Corners or to Rout out Mortises

Length 7¾ inches, with One Bit, each ¼ and ½ inch

	Each		Each
No. 71½—Closed Throat, 2x1¼ inch Opening; Weight 2¾ lb	$5 00	No. 71—Open Throat, Plain Open ng Clears Shavings Readily; the Open ng is not Big Enough to Clog and Prevent Splitting or Tearing of Work; Weight 2¾ lbs	$5 00

Cast Iron Frames, Caps and Handles; Tempered and Polished Tool Steel Cutters, Polished Spring Steel Bottom; Screw and Lever Adjustments, for Concave or Curves Surfaces.

VICTOR CIRCULAR	Each	STANLEY CIRCULAR	Each
No. 39½—Japanned, 7½ inches Long; 1⅝ inch Cut	$5 00	No. 113—Japanned; 10 inches Long; 7⅝ inch Cut, Weight 3⅝ lbs	$6 50
No. 59 —Nickel Plated, 9½ inches Long; 1¾ inch Cut Weight 4 lbs	5 70	By Means of the Graduated Scale on the Cast s, the Face can be Accurately Set to Work on Any of the Same Cuts Both Concave and Convex, by Turning a Screw on Front of the Plane.	

One in a Box

HAND BEADERS

UNIVERSAL

Nickel Plated Cast Iron Frame and Handles; Tempered and Polished Tool Steel Blades, Fitted with Gauges for Cut or Cord Work. For Beading, Reeding or Planing Straight or Irregular Surfaces and for all Bands of Each Row ng.

Per Dozen

No. 68—With 6 Blades, Cut as Both Ends, ⅛ to ⅜ inch Cut, Cut s, Plain, ½ inch Wide; Length Over All 11¾ inches; Weight Each 1¼ lb; Weight per Dozen 16 lbs $18.00

SINGLE HANDED

*Nickel Plated Cast Iron Frame and Socket, Polished Maple Handle, Polished Tool Steel Blades

For Beading, Reeding or Planing Diagonal Lines. Per Dozen

No. 69—With 6 Blades, Cut as Both Ends, ⅛ to ⅜ inch Cut, and 1 Blade ½ inch Wide; Length Over All 8¾ inches; Weight Each 1 lb; Weight per Dozen 9½ lbs $12 00

One in a Box

CORNERING TOOLS

Polished Tool Steel

For Use of Woodworkers in Beveling Edges, Inlaying Stair Cutters, in Cornering Joints, Requires no Proper Gauge, as Form of Tool Allows it to Cut Only to a Certain Depth.

Nos.	28	99
Size Cut,	Assorted Ty	¼ and ⅜
Length, Inches	5⅝	5⅜
Weight per Doz, lbs	1½	1¼
Per Dozen	$4 50	3 80

Half Dozen in a Box

STANLEY FANCY PLANES

No. 95

EDGE TRIMMING PLANE

Designed especially for Trimming or Smoothing the ends of Boards, such as Sidings, etc., for a square or close fit. It has a right angle Rest or Guide from the Cutter Edge and the Cutter works on a Skew giving an easy shearing cut. In the [illegible] guide are Two Screw Holes to which Wood Blocks of various Bevels may be attached enabling the user to make a slanting cut.

No. 95—6 inches Long, [illegible] inch Cutter, Japanned. Weight [illegible] — Each $1 70

One in a Box.

No. 71

DOOR TRIM PLANE

This new Plane will make Mortises for Butts, Face Plates, Strike Plates, [illegible] etc., up to a depth of [illegible] and a width of [illegible] inches. [illegible] original feature is the method of Mounting the Cutter which can [illegible] end of the Plane [illegible] cushioned by a Spring, which prevents taking a heavier cut [illegible] the Cut being [illegible]. The depth of the Cut is governed by a [illegible].

By removing the Fence and locking the Cutter post with the Thumb Screw instead of using the Spring, a very [illegible] Plane is obtained. The bottom is designed so that an extra wooden bottom of any size desired can be screwed on, enabling the user to [illegible] large [illegible].

The two Handles as shown in the Illustration are of Rosewood, and three Forged Steel Cutters, [illegible] and [illegible] inches wide, are furnished with the Tool.

No. 171—11½ inches Long, Japanned, Weight 3½ lbs. — Each $4 50

One in a Box

FLOOR PLANES

STANLEY ADJUSTABLE LONG HANDLE

This Tool will be Found Useful for Planing Floors, Bowling Alleys, Skating Rinks, Decks of Vessels, etc. The Construction of the Plane will Enable the User to do More Work, and with Less Outlay of Strength, than can be Done with an Ordinary Plane.

Polished Face, Japanned Bed, Nickel Plated Knob and Lever Screw; Steam Bent Ash Handle, Adjustable to Any Angle.

No. 74—Width of Cut 2⅝ inches, Length 10¼ inches, Length of Handle 35 inches, [illegible] to End of Handle 35 inches; Weight [illegible] lbs. — Each $8 00

STANLEY ADJUSTABLE TILLER HANDLE

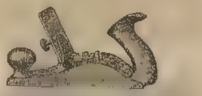
The Projection of the Nose Gives the Plane a Bearing so it will not Gouge at the Heel, and it will Work very Smoothly, Diagonally or Directly Across the Grain of the Floor.

The Tiller Handle is much Easier to Work with than the Handle and Knob on a Regular Smooth Plane.

No. 11¼—Width of Cut [illegible] inches, Length of Base 7[illegible] inches, Length of [illegible] inches, Length Over All 10½ inches, Weight Each 1½ lbs. — Each $5 00

One in a Box

SCRAPER PLANES



STANLEY ADJUSTABLE

The No. 112 has a [illegible] handle and knob having the same form as the regular "Bailey" Plane and [illegible] to the [illegible] handle or double grip form of Scraper Plane.

The blades [illegible] endwise and for angle and [illegible] [illegible] [illegible] excellent work [illegible] old paint or glue, etc., in roughing up the surface of wood preparatory to [illegible].

Cast Iron Frame, Polished Face and Outsides, Japanned Cap and Inside, Brass Adjusting Screw, Rosewood Handle and Knob, Polished Tool Steel Blade.

No. 112—Length 9 [illegible] Width of Scrapers [illegible], Weight [illegible] lbs. — Each $3 50

No. EPB—Extra Scraper Blades for No. 112 Scrapers, also Nos. [illegible] and 12¼ Stanley Veneer Scrapers, Weight [illegible] ozs. — 50

No. ETB—Extra Toothed Blades, [illegible], 28 and 33 Teeth to an inch (Specify Number of Teeth), Weight [illegible] — 50

No. 212 is a small handy tool designed to be used with one hand and well adapted for Violin Makers and all Mechanics requiring a light adjustable scraper. It has a rosewood knob but no handle. It also has the "Handy" feature on both sides.

No. 212

No. 212—Length [illegible] inches, 1¾ inch Blade, Rosewood Knob Only, Weight 1¾ lbs. — Each $3 00

One in a Box

FLOOR SCRAPERS

★ DIAMOND EDGE

This Scraper is Intended for use on Large Surfaces. The Knife Scrapes the Floor when the Machine is Drawn Toward the Operator. It has Adjustable Cross Handle, which allows the [illegible] to Work up [illegible] the Corners. When the Machine is in operation about 85% of the Weight is resting on the Blade; when not in operation the Weight is so perfectly Balanced on the Wheels that the Blade is clear of the Floor.

The Frame is carried on Two Rubber Tired Wheels working Independently of each other. Knife is firmly Clamped in the Scraper, which, together with the weight of the Machine, nearly all of which rests on the Knife, prevents Vibration or Chatter doing away with [illegible] Ways [illegible] for Floor [illegible].

Very Strong and Durable Cast Iron Frame, Aluminum Finish, Forged Steel Handle Braces, Varnished Hardwood Handle and Grip, Tempered and Honed Steel Blades.

Complete with Three Curved Scraper Blades; Three Straight Scraper Blades; One No. 2 Burnisher; One DE[illegible] Hand Scraper; One DE[illegible] Wrench, One DE 8 inch Mill File, One DE[illegible] Oil Stone.

No. DE1200—Width of Cut 6 inches, Diameter of Wheels 5 inches; Size of Handle Braces 1[illegible] inches, Length of Handle 38¾ inches; Length over all 54 inches, Weight Complete 18½ lbs. — Each $21.00

One in a Case

EXTRA BLADES FOR DIAMOND EDGE FLOOR SCRAPERS

		Per Dozen
No. DE1200CB	Curved Blades, Size 6x2[illegible] inches, Weight per Dozen 2[illegible] lbs.	$6 50
No. DE1200SB	Straight Blades, Size 6x2[illegible] inches, Weight per Dozen 3¼ lbs.	6 00

Loose

FOX

One Man Can Scrape in an Average of [illegible] 1200 Square Feet of a [illegible] Hardwood in a Day of 8 Hours.

The Knife Scrapes the Floor when the Machine is Drawn Toward the Operator. When in Operation about 85% of the Weight is Resting on the Blade. When not in Operation the Weight is Perfectly Balanced on the Wheels with the Blade [illegible] of the Floor.

The Frame is Carried on Two Rubber Tire Wheels Working Independently of Each Other, and a Third Wheel [illegible] on Back. [illegible]

A Rubber Pad Just Back of the Knife [illegible] Chattering [illegible] Cross the Grain of Wood. A Polishing Knife is Furnished to Take the Place of a Sanding Device. [illegible] than Could be Done with a Sander.

Japanned Cast Iron Frame; Steel Fenders, Forged Steel Handle Braces; Hardwood Handle and Grip; Rubber Tired Rollers; Tempered and Honed Tool Steel Blades.

No. F—Width of Cut 8[illegible] inches, Diameter of Wheels [illegible] inches, Size of Handle Braces 1[illegible] inch, Length of Handle 40 inches; Length Over All 57 inches, with 4 Cutting Knives, 3 Roughing Knives, a Polishing Knife and Oil Stone, a Filing Clamp, Burnishing Tool, Mill File and Wrench. Weight [illegible] lbs. — Each $38 00

One in a Case

EF8—Extra Blades for No. F, Fox Floor Scrapers; Eight Blades in a Set, Weight per Set 1½ lbs. — Per Set $5.50

LITTLE GIANT

The Knife Scrapes the Floor when the Machine is [illegible] Toward the Operator. A Shaving about 2 Inches Wide and 3 Feet Long is Removed with Each Stroke. The Knife [illegible] in the Front of the Machine and [illegible] Scrape Right Up to the Baseboard.

Japanned Cast Iron Frame, [illegible] Finish, [illegible] Handle, Rubber Tire Rollers, Tempered, Honed and Polished Tool Steel Blades, with Convex Cutting Edge.

No. 2—Width of Cut 7⅝ inches; Diameter of Large Roller 8 inches; of Small Roller 3[illegible] inches; Length of Handle 37[illegible] inches; Length Over All 56 inches; Complete with 6 Knives, Wrench, Burnishing Tool and Oil Stone; Weight Each about [illegible] lbs. — Each $60.00

One in a Case

No. EG6—Extra Blades for No. 2 Little Giant Floor Scraper; Six Blades in a Set, Weight per Set 1 lb. — Per Set $7.00

FLOOR SCRAPERS

FOX

The Scraper is Balanced so that the Weight over the Blade, where it should be when Scraping, and cannot get out of Balance. The Wheels are set in so that the Blade will Cut Close to Baseboards and Into Corners. A Rubber Pad is placed over the Blade, which prevents chatter-ing or scratching, and protects the Floor when going over Rough or Knotty Places. Frame is of Iron and Rubber Tires. Wheels working independently, can ride over Inequalities.

Very strong and Durable. Cast Iron Frame, Pressed Steel Forged Steel Handle Bracket. Works Equally Well on all Hardwood Flooring, and is well Adapted to Scraping all Floors

Each

No. F6—Width of Cut 6 inches; Diameter of Wheels 4½ inches. Size of Handle Brace 19x1½ inches. Length of Handle 35 inches. Length over all 40 inches. 9 Regular Cutting Knives, size 2x3 inches. 1 Hone. 1 Burnishing Steel. 1 Wrench. 1 Pin and 1 Ring Blade. 1 Form for Holding Blades when Re-sharpening. Weight Each about 90 lbs. $30.00

One in a Case

BURNISHERS OR SCRAPER STEELS

DISSTON

For Finishing the Edge on all Scraper Blades, and for Putting a Keen Edge on Chisels, Plane Irons, etc.

Per Dozen

No. 1—Oval, Crucible Steel, Tempered and Polished Blade, 16 inches wide, 6½ inches long, 1 hardwood Handle with Nickel Plated Ferrule. Length Over All 9 inches. Weight per Dozen about 24 lbs. $4.00

Per Dozen

No. 3—Round, Crucible Steel, Tempered and Polished Blade, 16 in. Thick, 4½ inches long. Hardwood Handle with Nickel Plated Ferrule. Length Over All 9 inches. Weight per Dozen about 2 lbs. $4.00

Per Dozen

No. 4—Square, Crucible Steel, Tempered and Polished Blade, 14 inch Thick, with Round Point Tapered to 1 inch from Tip. Hardwood Handle, with Nickel Plated Ferrule. Length Over All 9 inches; Weight per Dozen about 2 lbs. $4.50

Half Dozen in a Box

FLOOR AND CABINET SCRAPERS

*DIAMOND EDGE

These Scrapers are Provided with Hand Rests which Relieve the Strain on Wrist and Arm. These Hand Rests give Proper Spread to the Hands and Greatly Facilitate the Work. The Method of Clamping the Blades between two Spring Plates, Screwed with a Cam Lock, Give any Adjustment, Up or Down to the Blade, and Supports the Cut-ting Edge Prevents Chattering. Any wider Blades may be Used up to 4 inches. With our Locking Devices the Holders may be Reversed so that Either Edge of Blade may be Brought into Use. One for Straight Cut and the other for Finishing

FLOOR
REVERSIBLE HEAD, UNIVERSAL SOCKET JOINT

Per Dozen

No. DE25—Polished Stamped Steel Frame, Provided with a Universal Socket Joint which Allows Adjustment in any Direction. Rotary Cam Pin Locking Device. Hardwood Rest, Piano Mahogany Finish, Hardwood Handle, Complete with One Blade, 3½ inches. No. 16 Gauge Harden-ed Steel Blades. Weight per Dozen 24 lbs. $20.00

FLOOR OR CABINET

Per Dozen

No. DE35—3 inch Polished and Tempered Cast-iron Steel Ball Socket Joint. Maple Handle has Brass Ferrule, Rosewood Handle with Aluminum Ferrule. Weight per Dozen 30 lbs. $6.50

Per Dozen

No. EB35—Extra Blades, Weight per Dozen 1¾ lbs. $3.50

Half Dozen in a Package

IRON FACE CABINET

The Blade may be Set to a Slight Curve by Tightening the Thumb Screw, which is of advantage in some places.

Per Dozen

No. DE30—2¾ inch Blade, 4 inches Long over all. Japanned Cast Iron Frame. Raised Handles. Tempered Tool Steel Blade. Nickel Plated. Rounded Head. Thumb Screws. Weight per Dozen 21 lbs. $12.00

One in a Box

STANLEY

Per Dozen

No. 99—2¾ inch Blade, 11 inches Long Over all. Japanned Cast Iron Frame. Raised Handles. Tempered Tool Steel Blade. Weight per Dozen 21 lbs. $30.00

One in a Box.

EXTRA BLADES

Per Dozen

No. EB99—Extra Blades for No. DE35 and No. 99 Scrapers. Weight per Dozen 1 lb. $3.50

Half Dozen in a Package.

FLOOR AND CABINET SCRAPERS

STANLEY

ADJUSTABLE WOOD

Per Dozen

No. 83—3¾ inch Blade, 9½ inches Long Over All. Japanned Cast Iron Frame. Polished Maplewood Handle. Tempered Tool Steel Cutters. Weight per Dozen 19 lbs. $15.00

One in a Box

STARRETT UNIVERSAL

All Edges Ground Square and Sharpened Giving Eight Scraping Surfaces. By a Turn of the Handle the Rest Joint is Firmly Locked or Released. Begins, or Ends Any Cut of the Deep Seats of the Blade. The Hard Grip can be Slipped Off or On Instantly.

Per Dozen

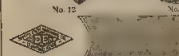
No. 104—Sixty-inch Polished Steel Plane, Rosewood Handle and Grip. Polished 4 Steel Ball Joint. Weight per Dozen 12 lbs. $18.00

One in a Box

No. EB104—Extra Blade for No. 104 Scraper. Weight per Dozen 2½ lbs. $3.00

Half Dozen in a Package

No. 12 No. 1295



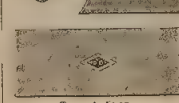
*DIAMOND EDGE

French Steel, Superior Quality and Finished, Highly Tempered and Hardened. Full Polished Bands and Edges.

Sizes	2x5	2½x5	2½x6	3x5	3x6	3½x6
Wt. Doz.	1¾	2	2¼	3	3¼	4
Per Doz.	$1.50	1.80	1.90	1.80	2.00	2.00

One Dozen in a Box

No. DEC3—All Sizes. $1.50



No. 1—STANDARD

Full Polished Blade. Tempered Spring Steel.

Sizes	2x5	2½x5	2½x6	3x5	3x6
Wt. Doz. lbs.	1¾	2	2¼	3	3¼
Per Doz.	$2.50	1.50	1.40	1.80	1.80	2.00	2.00

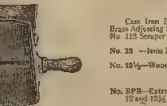
One Dozen in a Box

STANLEY
SINGLE HANDED CABINET

So Arranged the Blade can be Set at Any Angle

Per Dozen

No. 28—3 inch Tool Steel Blade, Japanned Cast Iron Frame and Handle Shank. Polished Maple Handle and Knob. Steel Screws. Length Over All 14½ inches. Weight per Dozen 31 lbs. $30.00



STANLEY
WOOD FACE CABINET

With Rosewood Face, which goes over a Surface very Smooth. Blade is Set at an Angle to Give Satisfactory Work at all Times

Per Dozen

No. 81—3½ inch Blade, 9 inches Long Over All. Nickel Plated Frame and Raised Handle. Tempered Steel Tempered Blade. Weight per Dozen 27 lbs. $50.00

One in a Box

ATKINS PERFECTION

Per Dozen

No. P—3 inch "Silver Steel" Blades. Malleable Iron Frame and Polished Nickel Plated Cross Bars. Polished Hardwood Handle. Brass Ferrule. 11½ inches Long Over All. Weight per Dozen 11 lbs. $15.00

Half Dozen in a Box

ADJUSTABLE VENEER SCRAPER

Japanned Cast Iron Frame, Polished Face. Brass Screws, 10 inch Rosewood Handle. Designed for Scraping and Finishing Veneers, Hardwood Floors or Fine Cabinet Work. Can be Adjusted to any Angle Desired.

Each

No. 1295—6¾ inches Long, 3 inch Cutter. $3.00

BAILEY ADJUSTABLE VENEER

Cast Iron Frame, Polished Face and Chamfered. Japanned Inside. Brass Adjusting Screw. 11 inch Rosewood Handle. Takes same Blade as No. 112 Scraper Plane

Each

No. 12—Iron Face, 6¾ in. Long, 3 in. Scraper. $5.00

No. 12½—Wood Face, 6¾ in Long, 3 in. Scraper. . . . . $ 5.00

One in a Box

Each

No. EPB—Extra Scraper Blades, for No. 112 Scrapers, also Nos. 12 and 12½ Stanley Veneer Scrapers. Weight 4 ozs. $5.00

One Scraper in a Box.

*DIAMOND EDGE CABINET

No. DEACC Concave and Convex

Extra Quality Spring Steel; Highly Tempered and Polished; Full Polished Blades.

Sizes	2¼x5	2½x6	2¾	3x6
Weight Dozen, Lbs.	1¾	2¼	2½	3¼
Per Dozen	$2.50	2.70	3.00	3.30

SWAN NECK CABINET SCRAPER

Per Dozen

No. SN—Full Polished Blade. Tempered Spring Steel. Weight per Dozen 1¾ lbs. $1.00

"DIAMOND EDGE IS A QUALITY PLEDGE

PLANE HANDLES

FOR WOOD PLANES

Per Dozen

No. 19—For Jack Planes; Plain Finished Beechwood, Weight 3 lbs. Dozen $1 80

One Dozen in a Box

FOR WOOD PLANES

Per Dozen

No. 23—For Fore and Jointer Planes; Plain Finished Beechwood; Weight Dozen, 4½ lbs. .. $1 80

One Dozen in a Box

FOR WOOD BOTTOM IRON PLANES

Plain Finished Beechwood

Per Dozen

No. 35—For Smooth Planes, All Sizes $2 50

No. 36—For Jack, Fore and Jointer Planes, All Sizes 2 50

Weight per Dozen 2 lbs.

One Dozen in a Box

FOR ALL-IRON PLANES

Rosewood Famous Handle

Per Dozen

No. 4—For Bailey, No. 4 and Diamond Edge, No. DE4 Smooth Planes $4 50

No. 5—For Diamond Edge, Bailey and Bed Jack, Fore and Jointer and for Bed Smooth Plane, No. 4 3 50

Weight per Dozen 2 lbs.

One Dozen in a Box

★FOR DIAMOND EDGE IRON PLANES

Black Composition Rubber

Per Dozen

No. DE3 For No. DE3 Plane $5 00

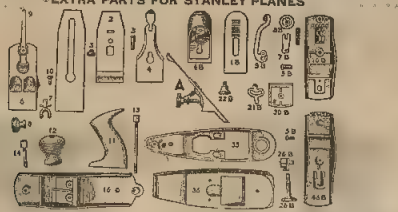
No. DE4 —For No. DE4 Plane. 6 50

No. DE4½—For New DE4½, DE5, DE6, DE7 and DE8 Planes. 5 50

Weight per Dozen 2½ lbs.

One Dozen in a Box

★EXTRA PARTS FOR STANLEY PLANES



In Ordering Always Give the Number and Name of the Plane for which the Part is Wanted, as Well as the Number of the Part Required. Ten Cents will be the Minimum Charge for Parts Sent by Mail.

FINISHED PARTS FOR BAILEY BENCH PLANES

Fig. 1—Plane Iron (Top Iron)
Fig. 2—Plane Iron Screw
Fig. 3—Cap
Fig. 4—Cap Screw
Fig. 5—Frog Set
Fig. 6—Frog Adjustment
Fig. 7—Frog Adjusting Nut
Fig. 8—Brass Adjusting Nut
Fig. 9—Lateral Adjustment
Fig. A—Frog Complete
Fig. 10—Frog Screw
Fig. 11—Handle
Fig. 12—Knob
Fig. 13—Handle Bolt
Fig. 14—Knob Bolt
Fig. 15—Handle Screw
Fig. 16—Bottom Iron Plane
Fig. 25—Top Casting, Wood Plane
Fig. 26—Bottom Wood Plane

FINISHED PARTS FOR BLOCK PLANES

The Letter B Follows the Number of Parts for Block Planes

Fig. 1B—Plane Iron
Fig. 3B—Cap
Fig. 4B—Cap Screw
Fig. 7B—Adjusting Lever
Fig. 8B—Adjusting Nut
Fig. 9B—Lateral Adjustment
Fig. 10B—Bottom Adjustable Throat
Fig. 20B—Mouth Piece
Fig. 21B—Eccentric Plate
Fig. 22B—Knob
Fig. 23B—Adjustable Peg
Fig. 27B—Adjustable Screw
Fig. 26B—Bottom

Items Marked ★ Not Carried in Stock; Can Only be Furnished by Shipping Direct from Factory F. O. B. New Britain, Conn.

PLANE IRONS

In Ordering Plane Irons Always Give the Make and Number of Plane for Which they are Wanted

★DIAMOND EDGE

FOR ALL-IRON AND WOOD BOTTOM BENCH PLANES

Highest Grade English Tool Steel, Especially Selected for Diamond Edge Planes; Oil Tempered, Ground and Hand Sharpened; Extra Heavy Bit; Full Polished.

No. DES—SINGLE CUT IRONS

Cut, Inches	1⅝	1¾	1⅞	2	2⅛	2¼	2⅜	2½
Wt. Doz. Lbs.	2½	2¾	2¾	3¼	3⅝	3⅞	4⅛	4½
Per Dozen	$3.00	3 00	4 00	4 00	4 00	4 50	5 00	5 00

No. DED—DOUBLE IRONS

Cut, Inches	1⅝	1¾	1⅞	2	2⅛	2¼	2⅜	2½
Wt. Doz. Lbs.	3½	4	4½	4½	5	5	7	7½
Per Dozen	$5 00	6 00	6 00	7 00	7 00	8.00	8 00	8.00

Half Dozen in a Wood Box

FOR WOOD BENCH PLANES

Highest Grade English Tool Steel, Especially Selected for Diamond Edge Planes. Oil Tempered, Ground and Hand Sharpened; Extra Heavy Bit; Full Polished

No. DSW—SINGLE CUT IRONS

Cut, Inches	2	2⅛	2¼	2⅜	2½	2⅝
Weight, Dozen, Lbs.	6½	7	8	9	9½	10
Per Dozen	$5.00	6 00	6.00	8 00	8.00	9.00

No. DDW—DOUBLE IRONS

Cut, Inches	2	2⅛	2¼	2⅜	2½	2⅝
Weight, Dozen, Lbs.	11½	12	13	14	15½	16½
Per Dozen	$11 50	12 00	12 70	13 50	14 00	17 00

Half Dozen in a Wood Box

★BRIDGE

FOR WOOD BENCH PLANES

High Grade Crucible Steel Bit, Soft Steel Body; Oil Tempered, Ground and Hand Sharpened; Heavy Bit, Full Polished

No. BSW SINGLE CUT IRONS

Cut, Inches	2	2⅛	2¼	2⅜	2½	2⅝
Weight, Dozen, Lbs.	6½	7½	8	8½	9½	10
Per Dozen	$5 00	6 00	6 00	7 00	8 00	9 00

No. BDW—DOUBLE IRONS

Cut, Inches	2	2⅛	2¼	2⅜	2½	2⅝
Weight, Dozen, Lbs.	11	12	13	14	14½	14½
Per Dozen	$11 50	12 00	12 70	13 50	14 00	17 00

Half Dozen in a Wood Box

STANLEY

FOR ALL-IRON AND WOOD BOTTOM BENCH PLANES

Extra Quality Cast Steel, Perfectly Tempered, Ground and Polished

No. BS—SINGLE IRONS

Cut, Inches	1⅝	1¾	1⅞	2	2⅛	2¼	2⅜	2½
Weight, Dozen, Lbs.	2¾	2¾	2⅞	3	3½	3½	4	4½
Per Dozen	$4 00	5 00	5 00	5.50	6 00	6 00	6 00	7 00

No. BD—DOUBLE IRONS

Cut, Inches	1⅝	1¾	2	2⅛	2¼	2⅜	2½
Wt. Doz. Lbs.	5	5	6	6	7	7½	7½
Per Dozen	37 50	8 00	8 00	9 50	10 00	12 00	10 50

Half Dozen in a Box

FOR PLANES

	Per Dozen
No. BF—For Planes Nos. 9½, 9¾, 13, 13½, 10, 17, 18, 19, 181 and 225, Planes	$3 00
No. BX—For Plane No. 220, ...	3 00

"DIAMOND EDGE IS A QUALITY PLEDGE"

REVONOC ADJUSTABLE PLANES.

IRON.

No. R2 REVONOC—7 in., 1½ in. cutter, w't each 2 lbs. .....each **ABJ** $2.75
No. R3 REVONOC—8 in., smooth, 1¾ in. cutter, w't 3 lbs. .....each **ACJ** $3.00
No. R4 REVONOC—8 in., smooth, 2 in. cutter, w't 3 lbs. .....each **ADJ** $3.25
No. R4½ REVONOC—10 in., smooth, 2 in. cutter, w't 4 lbs. .....each **AFJ** $3.75

No. R5 REVONOC—8 in., handled, 1¾ in. cutter, w't 3 lbs. .....each **AHE** $3.25
No. R6 REVONOC—8 in., handled, 2 in. cutter, w't 3 lbs. .....each **BJE** $3.50
No. R7 REVONOC—9 in., handled, 2 in. cutter, w't 4 lbs. .....each **BDJ** $3.50
No. R8 REVONOC—10 in., handled, 2 in. cutter, w't 4½ lbs. .....each **BHJ** $3.75

No. R9-C REVONOC—8 in., handled, 1¾ in. cutter, w't each 2½ lbs. .....each **ABJ** $2.75
No. R3-C REVONOC—8 in., smooth, 1¾ in. cutter, w't 3 lbs. .....each **ACJ** $3.00
No. R4-C REVONOC—9 in., smooth, 2 in. cutter, w't 4 lbs. .....each **ADJ** $3.25
No. R4½-C REVONOC—10 in., smooth, 2¼ in. cutter, w't 5 lbs. .....each **AFJ** $3.75
No. R5-C REVONOC—8 in., handled, 1¾ in. cutter, w't 3 lbs. .....each **AHE** $3.25
No. R6-C REVONOC—8 in., handled, 2 in. cutter, w't 3 lbs. .....each **BJE** $3.50
No. R7-C REVONOC—9 in., handled, 2 in. cutter, w't 4 lbs. .....each **BDJ** $3.50
No. R8-C REVONOC—10 in., handled, 2¼ in. cutter, w't 4½ lbs. .....each **BHJ** $3.75

Same as above except that the knob is omitted.

IRON BLOCK.

No. R103 REVONOC—6½ in., adjustable, 1⅝ in. cutter, w't 2¼ lbs. .....each **CJ** $2.75

WOOD.

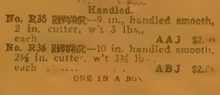
Unhandled.

No. R22 REVONOC—8 in., smooth, 1¾ in. cutter, w't 2½ lbs. ..each **JHE** $2.00
No. R23 REVONOC—9 in., smooth, 1¾ in. cutter, w't 2½ lbs. ..each **JHE** $2.00
No. R24 REVONOC—8 in., smooth, 2 in. cutter, w't 2½ lbs. ..each **JHE** $2.00

Handled.

No. R35 REVONOC—9 in., handled smooth, 2 in. cutter, w't 5 lbs., each .....**AAJ** $2.50
No. R36 REVONOC—10 in. handled smooth, 2⅜ in. cutter, w't 5¾ lb., each .....**ABJ** $2.75

ONE IN A BOX.



No. R26 REVONOC—9 in., handled smooth, 2 in. cutter, w't 5¼ lbs. ..each **AJJ** $2.50
No. R27 REVONOC—10 in., handled smooth, 2⅜ in. cutter, w't 5¾ lbs. ..each **AAJ** $2.75
No. R25 REVONOC—8 in., handled smooth, 2 in. cutter, w't 5¼ lbs. ..each **AAJ** $2.75
No. R28 REVONOC—8 in., handled smooth, 2⅜ in. cutter, w't 5¾ lbs. ..each **ABJ** $2.75
No. R29 REVONOC—9 in., handled smooth, 2⅜ in. cutter, w't 5¾ lbs. ..each **ABJ** $2.75
No. R30 REVONOC—22 in., jointer, 2¼ in. cutter, w't 6 lbs. ..each **ACJ** $3.00
No. R31 REVONOC—24 in., jointer, 2¼ in. cutter, w't 6½ lbs. ..each **ACJ** $3.00
No. R32 REVONOC—26 in., jointer, 2¼ in. cutter, w't 7 lbs. ..each **ADJ** $3.25
No. R33 REVONOC—28 in., jointer, 2¼ in. cutter, w't 7½ lbs. ..each **ADJ** $3.25

ONE IN A BOX.

IRON BLOCK.

No. R101. No. R100.

No. R101 REVONOC—3½ in., 1 in. cutter, w't 4 oz. .....each **AA** $0.25
No. R100 REVONOC—3½ in., handled, 1 in. cutter, w't 6 oz. ..each **AD** $0.33

NO. R101, SIX; NO. R100, ONE IN A BOX.

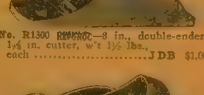
No. R10. REVONOC—[illegible] in., [illegible] cutter, w't [illegible] lbs. ..each **BD** $2.25
No. R10 REVONOC—[illegible] in., [illegible] cutter, w't [illegible] lbs. ..each **CJ** $2.50

ONE IN A BOX.

IRON BLOCK.

No. R2200 REVONOC—7½ in., adjustable, 1¾ in. cutter, w't 1½ lbs. ..each **DJ** $0.95

No. R1300 REVONOC—8 in., double-ender, 1⅛ in. cutter, w't 1½ lbs. ..each **JDB** $1.00



Nickel Plated Cap.

No. R6000 REVONOC—6 in., low angle, 1⅝ in. cutter, w't 1 lb. ..each **JGE** $1.75
No. R6500 REVONOC—7 in., low angle, 1⅝ in. cutter, w't 1 lb. ..each **JHJ** $1.85

With Throat and Lateral Adjustments.

No. R9½ REVONOC—6 in., 1¾ in. cutter, w't 1½ lbs. ..each **IGJ** $1.60
No. R15 REVONOC—[illegible] in., [illegible] cutter, w't [illegible] lbs. ..each **JGE** $1.75
No. R1600 REVONOC—[illegible] in., [illegible] nickel plated cap ..each **JGE** $1.75
No. R1700 REVONOC—7 in., 1¾ in. cutter, nickel plated cap ..each **JHJ** $1.85

With Throat and Lateral Adjustments.

No. R1800 REVONOC—6 in., knuckle joint, nickel plated cap, 1⅝ in. cutter, w't 1¼ lbs. .....each **JHJ** $1.85
No. R1900 REVONOC—7 in., knuckle joint, nickel plated cap, 1¾ in. cutter, w't 1½ lbs. .....each **JHE** $1.95

The knuckle joint in the cap makes it a lever top, and placing the cap in position will also clasp the cutter securely in its seat.

STANLEY PLANES.

"BAILEY" ADJUSTABLE IRON.

The handle and knob are made of highly finished, thoroughly seasoned rosewood. The English steel cutter is tempered, ground and honed, ready for use. It is adjustable both endwise and sidewise, and bedded to the heel of the rivet. The width of mouth can be varied by changing the setting of the frog. Bottoms, either flat or corrugated (see cut 7-C) as desired.

FLAT BOTTOM.	CORRUGATED BOTTOM.		TYPE.	LENGTH.	CUTTER.	WT.	EACH.
No. 1			Smooth	5½ in.	1¾ in.	1¼ lbs	AAJ $1.50
No. 2	No. 2	C	Smooth	7 in.	1¾ in.	2¼ lbs.	ADE 2.00
No. 3	No. 3	C	Smooth	8 in.	1¾ in.	2½ lbs.	AEJ 2.10
No. 4	No. 4	C	Smooth	9 in.	2 in.	3¼ lbs	AFE 2.20
No. 4½	No. 4½	C	Smooth	10 in.	2⅜ in.	4¼ lbs.	AIJ 2.50
No. 5	No. 5	C	Jack	14 in.	2 in.	5¾ lbs.	AIJ 2.60
No. 5½	No. 5½	C	Jack	15 in.	2⅛ in.	6¾ lbs.	BAE 3.00
No. 6	No. 6	C	Fore	18 in.	2⅜ in.	7¾ lbs	BDE 3.35
No. 7	No. 7	C	Jointer	22 in.	2⅜ in.	8¼ lbs.	BGE 3.75
No. 8	No. 8	C	Jointer	24 in.	2⅜ in.	9¾ lbs.	CCJ 4.00

ONE IN A BOX.

"BAILEY" WOOD.

These planes are made for those wanting a wood bottom plane of superior quality. Made of specially selected, well seasoned Beech. The cutters are the celebrated Bailey cutters and are adjustable both endwise and sidewise.

	TYPE.	LENGTH	CUTTER.	WT.	EACH.
No. 21	Smooth	7 in.	1¾ in.	2¼ lbs.	AJE $1.50
No. 22	Smooth	8 in.	1¾ in.	2¼ lbs.	AJE 1.50
No. 23	Smooth	9 in.	1¾ in.	2¼ lbs.	AJE 1.50
No. 24	Smooth	8 in	2 in.	2¾ lbs.	AJE 1.50
No. 28+	Block	9½ in.	1¾ in.	2¼ lbs.	AJE 1.50
No. 35	Handle Smooth	9 in.	2 in.	3¼ lbs.	ASE 1.90
No. 36	Handle Smooth	10 in.	2⅜ in.	4 lbs.	ADE 2.05
No. 37	Jenny Smooth	13 in.	2⅜ in.	5 lbs.	AEE 2.20
No. 38	Jack	15 in.	2 in.	3¾ lbs.	AAE 1.65
No. 27	Jack	15 in.	2⅛ in.	4 lbs.	ASE 1.90
No. 27½	Jack	15 in.	2⅛ in.	4¼ lbs.	AOJ 1.90
No. 29	Fore	18 in.	2⅜ in.	6¼ lbs.	ADE 2.05
No. 29	Fore	20 in.	2⅜ in.	6¼ lbs.	ADE 2.05
No. 30	Jointer	22 in.	2⅜ in.	8¼ lbs.	AEJ 2.20
No. 31	Jointer	24 in.	2⅜ in.	8¼ lbs.	AEE 2.20
No. 32	Jointer	26 in	2⅜ in.	7¾ lbs.	AFE 2.40
No. 33	Jointer	28 in.	2⅜ in.	8¾ lbs.	AFE 2.40
No. 34	Jointer	30 in.	2⅜ in.	8¾ lbs.	AHE 2.60

ONE IN A BOX

STANLEY "BED ROCK."

For fine work on hard and knotty wood, this plane surpasses all others. The cutter, frog and bottom are so machined and fitted that they are practically one solid piece of metal, thus preventing any chance of vibration.

The frog travels in a groove, ensuring it being square with the mouth of the plane, and preventing shifting or "wobbling."

The width of the mouth can be regulated by use of a screw driver as shown in the cut, without removing the cutter and lever.

The cutters are made of the best English steel and are adjustable both endwise and sidewise.

The shape of the sides, a distinctive feature, adds greatly to the strength of the plane.

The handles and knobs are of rosewood and finely finished.

Bottoms either flat or corrugated (see cut No. 606-C) as desired.

FLAT. BOTTOM.	CORRUGATED BOTTOM.		TYPE.	LENGTH	CUTTER.	WT.	EACH.
No. 602	No. 602C		Smooth	7 in.	1¾ in.	2½ lbs.	AFE $2 20
No 603	No. 603C		Smooth	8 in.	1¾ in.	3¼ lbs.	AOJ 2 30
No 604	No 604C		Smooth	9 in.	2 in.	3¼ lbs.	AHE 2 50
No. 604½	No. 604½C		Smooth	10 in.	2⅜ in.	4¾ lbs.	BJE 3 00
No. 606	No. 606C		Jack	14 in.	2 in.	4½ lbs.	BJE 3 00
No. 606½	No. 606½C		Jack	15 in.	2⅜ in.	6⅛ lbs.	BCE 3 50
No. 606	No. 606C		Fore	18 in.	2⅜ in.	7¾ lbs.	BFE 3.75
No. 607	No. 607C		Jointer	22 in.	2⅜ in.	8¼ lbs.	CAJ 4.40
No. 609	No. 609C		Jointer	24 in.	2⅜ in	9¼ lbs.	CFE 5.25

ONE IN A BOX.

STANLEY PLANES.

PATENT UNIVERSAL.

This tool may well be called "a planing mill within itself." It will do a greater variety of work than can be done with a full line of so-called "Fancy" planes. The regular equipment sent with the plane comprises the 82 cutters arranged in four separate cases. These cutters, together with the plane are packed in a neat wooden box.

A further line of 41 special cutters, as shown in illustration, are also made and can be furnished direct from factory.

With the complete line of cutters, there is practically no end to the variety of work which can be done.

The plane is 10 inches long, weighs only 7¾ lbs. (with 93 cutters—11 in. and replaces a full line of 93 fancy wood planes, weighing probably 90 lbs.

All metal parts are nickel plated and the handle and fences are made of selected rosewood, every part being highly finished.

Special circular, showing samples of work and directions for use, is enclosed with each tool, or will be mailed on application.

No. 85—Complete with 82 cutters.....each **ACDE** $14 00
Extra Cutters, 52 tools, bits, etc.....per set **EDJ** 6 00

ONE IN A WOOD BOX.

COMBINATION.

Seven tools in one in compact and practical form—1. beading and center beading plane; 2 plow, 3. dado; 4. rabbet and fillister; 5. match plane; 6. sash plane; 7. slitting plane.

A sliding section, with the main stock, forms a bottom giving a proper bearing for different widths of cutters.

Seven beading tools, ¾ in., ⅝ in., ½ in., ⅜ in., ¼ in., ⅛ in., and 1/16 in., ten plow and dado bits—½ in., ⅜ in., ¼ in., ⅛ in., 1/16 in., ⅛ in., 3/16 in., ¼ in., and 5/16 in., a tonguing tool, a sash tool and a slitting cutter, are regularly furnished.

Each plane has an adjustable fence, a depth gauge, spurs for use across the grain, a cane leveling or steading rest, and can be used either right or left hand.

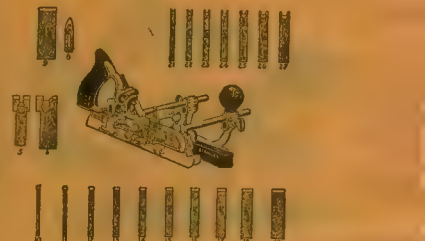
No. 45—Nickel plated, with twenty tools.....each **FBJ** $7 00

Extra Bottoms and Cutters.

By substituting special bottoms for the sliding section, cutters as follows may be used. Special bottom required for each cutter. Prices of hollows and rounds include two cutters and two bottoms; of nosing tool, one cutter and one bottom.

		PER PAIR	
No. 6—Hollow and round	⅝ in cutters work ¾ in. circle.	**ABJ**	$1 50
No. 8—Hollow and round	½ in cutters work 1 in. circle.	**ABJ**	1 50
No. 10—Hollow and round	¾ in cutters work 1¼ in. circle.	**ABE**	1 50
No. 12—Hollow and round	1 in. cutters work 1½ in circle.	**ABE**	1 50
No. 5	Nosing tool, 1¾ in. cutters work 1⅝ in. circle. each	**JDE**	1 10
Extra cutters, 20 tools, bits, etc.....		per set **CJJ**	3 50
Extra spurs.....		per dozen **BB**	.50

ONE IN A WOOD BOX.



Extra Screws ..... per dozen **BB** 50

BEADING, PLOW, DADO AND MATCHING.

No. 50 Combined Beading and Matching Plane for ordinary beading or for center beading cannot be surpassed. By adjustment of the fence, center beading can be done up to five inches from the edge of the board. Except for working across the grain, spurs need not be used.

With each plane are furnished beading tools, 3/16, ⅜, ½, ⅝, ¾, ⅞ and 1 inch, and a pair of ¼ inch matching tools.

No. 50—Nickel plated stock and fence.....each **CGJ** $4 50

Stanley Adjustable Dado, Plow, etc., is accompanied by eight plow and dado bits (3/16, ¼, 5/16, ⅜, ½, ⅝, ¾ and 1¼ inch), a fillet ster cutter, a slitting tool and a tonguing tool. All except the slitting blade are secured in the main stock on a skew.

No. 48—Nickel plated, with 13 tools, bits, etc .....each **DJR** $3 00

ONE IN A BOX.

SIEGLEY AND STANLEY PLANES.

SIEGLEY ADJUSTABLE IRON.

Corrugated Bottom.

No. 4-S—9 in., smooth, 2 in. cutter, w't 2¼ lbs. .....each **ADE** $2.75

No. 4½-S—10 in., smooth, 2¼ in. cutter, w't 3½ lbs. .....each **AEE** $3.15

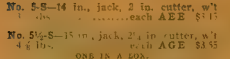
ONE IN A BOX.

Corrugated Bottom.

No. 5-S—14 in., jack, 2 in. cutter, w't 5 lbs. .....each **AEE** $3.15

No. 5½-S—15 in., jack, 2¼ in. cutter, w't 4½ lbs. .....each **AGE** $3.65

ONE IN A BOX.



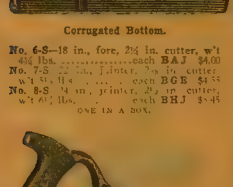
Corrugated Bottom.

No. 6-S—18 in., fore, 2½ in. cutter, w't 4¾ lbs. .....each **BAJ** $4.00

No. 7-S—22 in., jointer, 2½ in. cutter, w't 6¼ lbs. .....each **BGE** $4.35

No. 8-S—24 in., jointer, 2½ in. cutter, w't 6½ lbs. .....each **BHJ** $4.45

ONE IN A BOX.



Combination.

No. 2-S—Siegley, 9 in., nickel-plated combination carpenters' plow and dado with side and center beading plane, 9 plow cutters, ⅛, ¼, ⅜, ½, ⅝, ¾ and ⅞ in., 7 beading tools, ⅛, ¼, ⅜, ½, ⅝, ¾ and ⅞ in., match cutter and sash tool, w't 2½ lbs. .....each **FJJ** $4.00

ONE IN A BOX.

STANLEY WOOD.

No. 122—8 in., smooth, adjustable, 1¾ in. cutter, w't 2 lbs. .....each **JHE** $1.10

ONE IN A BOX.

No. 135—10 in., handled smooth, adjustable, 2⅛ in. cutter, w't 3 lbs., each .....each **AAJ** $1.50

ONE IN A BOX.

Adjustable.

No. 127—15 in., jack, 2⅜ in. cutter, w't 3½ lbs. .....each **AAJ** $1.50

No. 129—20 in., fore, 2⅜ in. cutter, w't 5 lbs. .....each **ABE** $1.65

No. 132—26 in., jointer, 2⅜ in. cutter, w't 6½ lbs. .....each **ADJ** $1.90

Adjusted by a lever, especially adapted for working on soft woods.

ONE IN A BOX.

STANLEY STEEL.

No. 104—9 in., smooth, adjustable, 2¼ in. cutter, w't 3 lbs. ....each **AEJ** $2.05

ONE IN A BOX.

No. 105—14 in., jack, adjustable, 2⅜ in. cutter, w't 3½ lbs.....each **AIJ** $2.80

These planes are adjusted by a lever and are especially adapted for working on soft woods.

ONE IN A BOX. CAPACITY

★*FOR FACTORY SHIPMENT ONLY.*

STANLEY CIRCULAR.

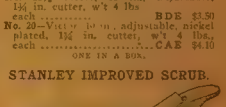
No. 113—10 in., adjustable, 1¾ in. cutter, w't 3½ lbs. .....each **BCE** $3.00

No. 20½—Victor, 10 in., adjustable, 1¾ in. cutter, w't 4 lbs each .....**BDE** $3.50

No. 20—Victor, 10 in., adjustable, nickel plated, 1¾ in. cutter, w't 4 lbs., each .....**CAE** $4.10

ONE IN A BOX.

STANLEY IMPROVED SCRUB.



No 40

No. 40—9½ in., iron stock, 1¾ in. cutter, w't 2 lbs. .....each **JHE** $1.10

No. 40½—10½ in., iron stock, 1¾ in. cutter, w't 2 lbs. .....each **AAE** $1.50

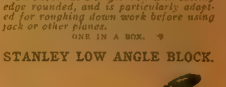
Cutters, for No. 40★.....each **AH** .20

Cutters, for No. 40½★....each **BC** .25

This tool has a single iron with cutting edge rounded, and is particularly adapted for roughing down work before using jack or other planes.

ONE IN A BOX.

STANLEY LOW ANGLE BLOCK.



No. B62—14 in., 2 in. cutter, w't 4 lbs., each .....**BAE** $2.50

The construction of this plane is such that it is especially adapted for use in cutting across the grain on heavy work, for which purpose a smooth cut cannot be obtained by use of the ordinary block plane. The plane is fitted with an adjustable throat, which enables the user to work equally well on hard or soft wood.

ONE IN A BOX.

PLANES AND SCRAPERS.

"BAILEY" BLOCK PLANES.

With Throat and Lateral Adjustments.

No. 9½—6 in., 1⅝ in. cutter, w't 1½ lbs. ..... each .....**JHJ** $1.30

No. 15 — 6 in., 1⅝ in. cutter, nickel plated ..... **JHE** $1.30

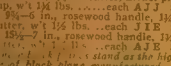
No. 16—6 in., 1⅝ in. cutter, nickel plated cap, w't 1½ lbs. ....each **JJJ** $1.25

No. 17—7 in., 1¾ in. cutter, nickel plated cap, w't 1¾ lbs. .....each **AJJ** $1.35

No. 9½—6 in., rosewood handle, 1¾ in. cutter, w't 1½ lbs. ...each **JIE** $1.30

No. 15½—7 in., rosewood handle, 1¾ in. cutter, w't 1¾ lbs. ...each **AJE** $1.40

These nickel plated planes stand as the highest type of block plane manufactured.

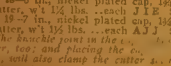


Knuckle Joint, with Throat and Lateral Adjustments.

No. 18—6 in., nickel plated cap, 1¾ in. cutter, w't 1¾ lbs. ...each **JIE** $1.35

No. 19—7 in., nickel plated cap, 1¾ in. cutter, w't 1½ lbs. ...each **AJJ** $1.40

The knuckle joint in the ... lever, too; and placing the ... it, would also clamp the cutter ... at any seat.



Low Angle.

No. 60½—6 in., 1⅝ in. cutter, w't 1¾ lb. ..... **JHJ** $1.10

No. 65½—7 in., 1⅝ in. cutter, w't 1¾ lbs. ..... **JIJ** $1.20

No. 60—6 in., 1⅝ in. cutter, nickel plated cap, w't 1¾ lbs. .....each **AJJ** $1.35

No. 65—7 in., 1¾ in. cutter, nickel plated cap, w't 1½ lbs. ..... each **AJJ** $1.35

No. 61—Length 6 in., 1⅝ in. cutter, japan finish, w't 1¾ lbs. ..... each .....**JHJ** $1.10

No. 18—6 in., 1⅝ in. cutter, w't 1¾ lbs. .....each **JIE** $1.50

This plane has two slots and a movable cutter seat. When it is desirable to use it as a bull nose plane, the adjustable ... can be removed ...

ONE IN A BOX.

BULL NOSE RABBET PLANES.

No. 75—4 ... 1¼ in. cutter, w't 8 oz. ..... each **CJ** $1.10

ONE IN A BOX.

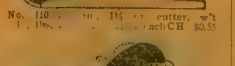
STANLEY BLOCK PLANES.

No. 101—3 in., 1 in. cutter, w't ... lbs. ..... each **AB** $0.90

No. 100—3 in., 1 in. cutter, w't ... lbs. ..... each **AH** $0.75

No. 102—3½ in., 1⅛ in. cutter, w't 1½ lb., ... each **BH** $0.90

No. 103—3 in., adjustable, 1⅛ in. cutter, w't 1 lbs. ..... each **CH** $0.45



No. 110—7 in., 1½ in. cutter, w't 1 lbs. ..... each **CH** $2.55

No. 130—8 in., double-ender, 1¾ in. cutter, w't 1½ lbs. .....each **EC** $0.75

No. 220—7 in., adjustable 1½ in. cutter, w't 1 lbs. ..... each **EC** $0.75

No. 203—Screw adjustment, rosewood knob, length 5½ in., 1⅜ in. cutter, w't 1⅛ lb. .....each **FJ** $0.85

CABINET MAKERS' EDGE PLANES.

No. 97—13 in., 2⅛ in. cutter, w't 3½ lbs. ..... **AFE** $2.20

Cutters, for No. 97 ..... each **DJ** .45

A useful tool for ... use makers and all cabinet workers, or trimming inside ... other plane.

... SATISFACTORY SHIPMENT GUARANTEED.

BAILEY VENEER SCRAPERS.

No. 12—6 in., 3 in. cutter, rosewood ... w't ... lbs. ..each **AIJ** ...

No. 12—w't face, 6½ in., ... tter, w't 4 lbs. ..... **BEE** $1.90

No. 1... ... cutter, ... **AGE** ...

Cutters, ... each **AH** .90

... *work, its peculiar form is of great ... vantage.*

ONE IN A BOX.

STANLEY SCRAPER PLANES.

No. 112—9 in. adjustable, 3 in. cutter, with 1 scraper blade, w't 4 lbs., each ..... **AFE** $2.20

Cutters, for ... each ... .45

Cutters, ... each **BH** .50

BELT MAKERS' PLANES.

No. 11—5¼ in., adjustable, 1⅝ in. cutter, w't 1¾ lbs. ..... each **AFE** $2.20

Cutters, for No. 11¼ ... each **BG** .20

For chamfering down the laps of a belt before fastening them together.

ONE IN A BOX.

STANLEY EDGE TRIMMING PLANES.

No. 95—6 in., ⅞ in. cutter, japanned, w't each 1¼ lbs. .....each **JIJ** $1.15

ENTIRE COLUMN, ONE IN A BOX.

STANLEY ADJUSTABLE PLANES.

TONGUING AND GROOVING.

No. 48—Nickel plated iron stock [illegible] for ⅜ to 1¼ in. boards, including two rows of [illegible] wide for gauging [illegible] wt 1 lbs. ..... each **BJE** $2.75

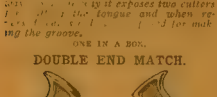
No. 49—Nickel plated iron stock and fence, for ⅜ to 1 in. boards, including tonguing and grooving tools, wt 2½ lbs. ..... each **BJE** $2.75

Cutters, for Nos. 48 and 49★
..... each **AE** .17

The [illegible] cutter can be [illegible] and can be [illegible] cutter [illegible] it exposes two cutters [illegible] the tongue and when reversed [illegible] for making the groove.

ONE IN A BOX.

DOUBLE END MATCH.



No. 146—Nickel plated, matches ¾ in. boards, cuts groove ⅜ in., wt 1½ lbs., each ..... **APE** $2.20

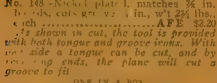
No. 147—Nickel plated, matches ⅞ in. boards, cuts groove ⅜ in., wt 2 lbs., each ..... **APE** $2.20

No. 148—Nickel plated, matches ⅞ in. boards, cuts groove ½ in., wt 2¾ lbs., each ..... **APE** $2.20

As shown in cut, the tool is provided with both tongue and groove irons. With one side a tongue can be cut, and by reversing ends, the plane will cut a groove to fit.

ONE IN A BOX.

IMPROVED DADO.



8 Inch, Iron Stock, with Depth Gauge and Two Adjustable Spurs.

No. 39—Cutter, in..	⅛	¼	½
Each	$1.65	1.65	1.65
	ABE	**ABE**	**ABE**
No. 39—Cutter, in	⅝	¾	⅞
Each	$1.65	1.65	1.65
	ABE	**ABE**	**ABE**

Cutters, for No. 39★.....each **AH** $0.30

Holds true in narrow widths where a wood plane will not. Has a skew cutter and adjustable depth gauge and spurs on each side of plane, thus allowing wear to be taken up and depth of the cut regulated

ONE IN A BOX.

IMPROVED RABBET.

Iron Stock, Length 8 Inches, with Depth Gauge

No. 180—1⅝ in. wide, without spur, wt 2½ lbs. ..... each **JHE** $1.30
No. 181—1¾ in. wide, without spur, wt 2¼ lbs. ..... each **JHE** $1.30
No. 182—1 in. wide, without spur, wt 2 lbs. ..... each **JHE** $1.10
No. 190—1½ in. wide, with spur, wt 2½ lbs. ..... each **AJJ** $1.25
No. 191—1¼ in. wide, with spur, wt 2¼ lbs. ..... each **AJJ** $1.25
No. 192—1 in. wide, with spur, wt 2 lbs. ..... each **AJJ** $1.25
Cutters, for above★ .....each **AH** .20

This plane will lie perfectly flat on either side, and can be used with right or left hand equally well, while planing into corners or up against perpendicular surfaces.

ONE IN A BOX.

DUPLEX RABBET AND FILLETSTER.

No 78

No. 78—8½ in. iron stock and fence. [illegible] cutter, wt [illegible] each ..... **ABE** $1.65
Cutters, for No. 78★ .....each **AH** .20

This plane has two seats for the cutter, one for regular work and the other where a bull nose is required. Has spur and removable depth gauge. Adjustable fence can be used on either side and slides under the bottom regulating width of cut. To use as rabbet plane, remove fence and arms.

ONE IN A BOX.

SKEW CUTTER, FILLESTER AND RABBET.

No. 289—8½ in., japanned, 1⅜ in. cutter, with fence and depth gauge and two adjustable spurs, one on each side, wt 4 lbs. ..... each **AEJ** $1.75

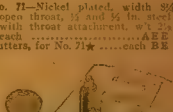
The fence and depth gauge can be attached to either side so that the plane can be used equally well [illegible] The adjustable fence slides under the bottom, regulating the width of the cut. By removing arms and fence a skew cutter rabbet plane is obtained.

ONE IN A BOX.

★*FOR FACTORY SHIPMENT ONLY.*

WOODWORKERS' ROUTER.

No. 71—Nickel plated, width 8¼ in., open throat, ½ and ⅛ in. steel bits, with throat attachment, wt 2½ lbs., each ..... **ABE** $2.05
Cutters, for No. 71★ .....each **BE** .20



No. 71½—Nickel plated, width 8¼ in., closed throat, ½ and ⅛ in. steel bits, wt 2¼ lbs. .....each **ABE** $1.65
Cutters, for No. 71½★ ...each **CE** .20

Nos. 71 and 71½ are for surfacing the bottom of grooves and depressions parallel with the general surface of the [illegible] more freedom for chips and a better view of the work and cutter. The latter has an attachment for regulating the thickness of the chip and a second attachment for closing the throat for use on narrow surfaces.

ONE IN A BOX.

DOOR TRIM.

No. 171—11 in., japanned, nickel plated trimmings, rosewood handles, 3 forged steel cutters, [illegible] each **BCJ** $2.75

This new plane will make mortises for [illegible] across the grain. Spring prevents taking a heavier chip than can be easily carried.

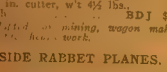
ONE IN A BOX.

STANLEY PLANES, BEADERS, ETC.

CARRIAGE MAKERS' RABBET PLANES.

No. 10 [illegible] cutter, wt 3 lbs., each ..... BJJ $2.75
No. 10—[illegible] in cutter, wt 4 lbs., each ..... BDJ $3.30
No. 10½ C—9 in., with corrugated bottom, 2⅛ in. cutter, wt 3 lbs., each ..... BJJ $2.75
No. 10C—13 in., with corrugated bottom, 2⅛ in. cutter, wt 4½ lbs., each ..... BDJ $3.30
Adapted for mining, wagon making and [illegible] work.

SIDE RABBET PLANES.

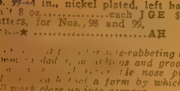


No. 98—4 in., nickel plated, right hand, wt 8 oz. ..... each JGE $1.00

No. 99—4 in., nickel plated, left hand, wt 8 oz. ..... each JGE $1.00
Cutters, for Nos. 98 and 99, ... AH .20
Cut★ .....

[illegible]-rabbeting and trimming dadoes, also cutting nibs and grooves [illegible] the nose piece [illegible] to form by which it will work close up into corners
ONE IN A BOX.

ROOFING BRACKETS.



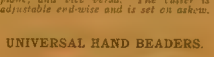
No. 1—Stanley's, steel, japanned, 8 in., [illegible] per doz. 14 lbs., per dozen ..... BFE $3.50

So constructed that any increase of pressure or weight from above increases their security by pressing the spurs into the [illegible]. Steel spurs also hold the shingle boards. No loose parts to get lost and [illegible] no nail holes are made in the roof.
ONE-HALF DOZEN IN A BOX.

RABBET AND BLOCK PLANES.

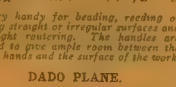
No. 140—7 in., with detachable side, [illegible] in. cutter, wt 1¼ lbs., each ..... AAJ $1.40
Cutters, for No. 140★ ..... each AH .20
The detachable side will easily change this tool from a block plane to a rabbet plane, and vice versa. The cutter is adjustable end-wise and is set on askew.

UNIVERSAL HAND BEADERS.



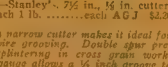
No. 66—Stanley's, width 11¼ in., nickel plated stock, 7 steel cutters and 1 blank with 2 gauges for straight or curved work, wt 1¼ lbs. each ..... JGE $1.00
Cutters or blanks for No. 66 each★ ..... JE .05
Very handy for beading, reeding or fluting straight or irregular surfaces and for light routering. The handles are curved to give ample room between the user's hands and the surface of the work.

DADO PLANE.



No. 239—Stanley's, 7½ in., ⅛ in. cutter, wt each 1 lb. ..... each AGJ $2.20
Extra narrow cutter makes it ideal for blind wire grooving. Double spur prevents splintering in cross grain work. Depth gauge allows a ⅛ inch groove to be cut.
ONE IN A BOX.

BUTCHERS' BLOCK PLANE.

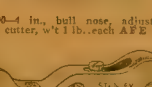


No. 64—Stanley's, 12½ in., two 2 in. cutters, wt each 4 lbs., each AHE $2.40
For trueing up [illegible] cracked [illegible] used [illegible] smoothing [illegible]
ONE IN A BOX.

★*FOR FACTORY SHIPMENT ONLY*

CABINET MAKERS' RABBET PLANES.

No. 90—4 in., bull nose, adjustable, 1 in. cutter, wt 1 lb. ..each AFE $2.20

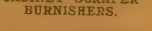


Nickel Plated, with Adjustable Throat.
No. 92—5½ in., ¾ in. cutter, wt 1¼ lbs., each ..... AFE $2.20
No. 93—6½ in., 1 in. cutter, wt 1¾ lbs., each ..... BJJ $2.50
No 94—7½ in., 1⅛ in. cutter, wt 2 lbs., each ..... BCE $3.00
Cutters, for above ..... each BE .30
For fine cabinet or other work where extreme accuracy is required. The sides and bottom, being square with each other, the plane will be perfectly flat on either side and can be worked either right or left hand. They have adjustable throats; this means that the width of the throat opening, or mouth, can be widened or narrowed as coarse or fine work may require. They are also fitted with the side groove or "Handy" grip feature. The cutters are adjustable endwise.
ONE IN A BOX.

CORNERING TOOLS.

No. 28—5½x⅝ in., flat steel, ⅛ and ⅛ in. cutters, wt per doz. 1½ lbs. per dozen ..... BJE $4.80
No. 29—5¼x ⅞ in., flat steel, ¼ and ⅜ in. cutters, wt per doz. 1½ lbs., per dozen ..... BBJ $4.80
These tools are used by pattern makers and all wood workers for rounding sharp edges. They have a different size cutter at each end and their form is such that no depth gauge is required.
ONE-HALF DOZEN IN A BOX

CABINET SCRAPER BURNISHERS.



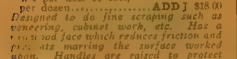
No. 01—Polished oval cast steel blade, wood handle with ferrule, cutting length 2½ in., wt per doz. 1½ lbs., per dozen ..... AHJ $4.00
This tool is used to put a smooth finishing edge to a cabinet scraper.
ONE-HALF DOZEN IN A BOX.

CABINET SCRAPERS.

CABINET SCRAPERS.

No. 81—Stanley's, nickel plated, raised handles, length 10 in., 2½ in. cutter, wt per doz. 30 lbs., per dozen.....**ADDJ** $18.00

Designed to do fine scraping such as veneering, cabinet work, etc. Has a rosewood face which reduces friction and prevents marring the surface worked upon. Handles are raised to protect user's hands and are pierced for easy hanging up when not in use.

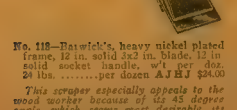


No. 80—Stanley's, japanned, raised handles, length 11 in., 2¾ in. cutter, wt per doz. 21 lbs., per dozen.....**JHIJ** $12.00
Cutters, for No. 80, per doz. **BAE** 2.40

No. 82—Stanley's, japanned with polished edges, maple handle and knob, length 14½ in., 3 in. cutter, swinging adjustment, wt per doz. 21 lbs., per dozen.....**IJFJ** $12.60
Extra Cutters, for No. 82, per dozen.....**AEF** 2.00

The adjustable handle allows the blade to be set at any angle desired. Special blades for any desired uses at widths can be securely held in any position, quickly. Has reversible end for the tool to be worked in many places inaccessible to other scrapers.

ONE IN A BOX.



No. 118—Barwick's, heavy nickel plated frame, 12 in. solid 3x2 in. blade, 12 in. solid socket handle, wt per doz. 24 lbs.....per dozen **AJHJ** $24.00

This scraper especially appeals to the wood worker because of its 45 degree angle, which seems most desirable, its weight which makes smoother and much less difficult work, and because of the variety of blades which may be used 2 to 6 inch, being the width which will work perfectly. The Barwick is the only tool of its kind which will work even lapping successfully.

ONE IN A BOX.

CABINET SCRAPERS.

No. 114—Polished steel frame, crucible steel blades, rubberoid handle, blades 3x5 in., 16 guage, wt per doz. 24 lbs.....per dozen **ABJJ** $24.00
Extra Blades.....per dozen **BAE** $4.00

The handle is adjustable to any position up or down and sidewise. Blade can be instantly removed or adjusted by releasing the lever under hand rest. The hand rest relieves strain on the wrist and prevents chattering. Will hold any blade up to 3 in. wide.

No. 116—Japanned steel frame, 3x1½ in. crucible steel blade, stained handle, adjustable to any position, wt per doz. 21 lbs., per dozen.....**JIJJ** $18.00

Blade is adjustable and handle by an ingenius ball and socket arrangement, can be instantaniously set at a wide angle to the blade in any direction.

No. 150—Bennett, adjustable, nickel plated, blade 3 in. wide, 3 in. long, 11 in. maple handle, wt per doz. 17 lbs. ..... per dozen **JHDJ** $18.00

No. 21—Ellsworth's, 6 in., adjustable 3 in. steel cutter, polished hickory handle, wt per doz. 15½ lbs. per dozen .....**JIFJ** $18.00
Extra blades .....per dozen **JHE** 1.80

ONE IN A BOX.

CABINET SCRAPERS.

Best Crucible Steel, Nicely Finished, Dressed on Edges.

Nos.	22	23	24	25
Size, in.	4½x5	3x5	3x6	3½x6
Wt per doz., lbs.	19½	15	17½	20
Per dozen	$2.50	2.00	2.25	3.00
	ACJ	**AEJ**	**AGJ**	**BJJ**

Disston Cast Steel, Polished.

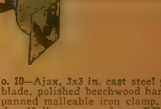
Nos.	1	2	3
Inches	2½x5	3x5	3x6
Wt per doz., lbs	15	15	20
Per dozen	$1.80	1.80	1.80
	JFJ	**AAJ**	**JHJ**

Made of selected blue grade English [illegible] steel. Blades [illegible] and [illegible] by skilled workmen.

No. 87—Stanley's, 8 in., japanned 2 in. cutter, stationary handle and knob, wt per doz. 30 lbs., per dozen.....**AHJJ** $24.00
Cutters, for No. 87, per doz. **BAE** 2.40

In use the blade springs backward from the front end of the mouth, allowing shavings to pass through. When working is finished it releases the blade springs back to its normal position.

ONE DOZEN IN A BOX.



No. 10—Ajax, 3x3 in. cast steel polished blade, polished beechwood handle, japanned malleable iron clamp, wt per doz. 10 lbs. ....per dozen **BBJ** $5.00

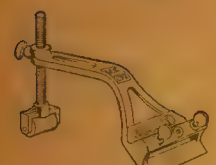
No. 11—Extra blades for No. 10 3x3 in., 16 gauge steel ..per dozen **ADJ** $2.80

A labor saving and convenient tool, relieves the fingers from the painful stiffening effect produced by the ordinary scraper. With its aid very rapid work can be done with much less than the usual effort and correct scraping angle is more easily preserved.

ONE-HALF DOZEN IN A BOX.

CUTTERS, JIGS, ANGLE DIVIDERS, GAUGES, ETC.

CUTTER AND CHISEL GRINDER.

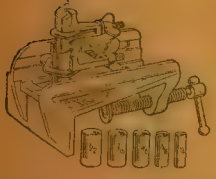


STANLEY'S, Nickel Plated, All Metal.
No. 200—W't each 1¼ lbs., each .....**JGJ** $1.75

This device is designed for holding plane irons, chisels and other similar tools so that they may be ground or honed to any desired angle or bevel, insuring an accuracy that is very difficult to obtain when the tool is held in the hand. Three screw holes and two thumb screws enable one to grind any sized blade. The tool can be adjusted to any height on the roller column at the back, thus regulating the bevel of the blade. Roller can be turned at any angle to the main body, thus obtaining the slanting stroke so commonly used when tools are sharpened without a holder

ONE IN A BOX.

DOWELING JIG.



STANLEY'S, Nickel Plated, All Metal.
No. 59—Furnished with five steel guides ⅛x⅛, ⅜x⅜ and 5/16x1¼ in. long, w't each 1½ lbs. .....each **ABE** $2.50

This tool enables the user to bore dowel holes in the edge, end or surface of any work with ease and accuracy. It is an excellent bit guide for mortising. Will take any thickness of material up to 3 in.

ANGLE DIVIDERS.

No. 31—8 in. long, rosewood handle per dozen. .....**JIJJ** $12.00

No. 30—Nickel plated, w't per doz. 8 lbs.....per dozen **ACEJ** $18.00

With this tool any angle can be found and bisected. Fitting moulding or other woodwork to odd angles can be done with ease and certainty. It is also graduated for parts of circle commonly used. A handy tool for laying out work, can also be used as a try or T square

ONE IN A BOX.

BIT GAUGES.

No. 49—Nickel plated steel, adjustable, w't per doz. 3½ lbs. ..... per dozen ..... **DHJ** $7.20

This gauge being adjustable will fit any bit and will always remain secure and accurate. To operate, loosen the thumb screws, insert the shank of the bit, turn the twist of the bit in the gauge to the required depth and tighten the thumb screws, stops on either side prevent the worm being bent or broken. Will hold bits of any size up to 1 in. in diameter.

ONE IN A BOX.

CLAPBOARD MARKERS AND GAUGES

No. 88

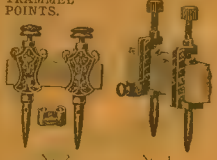
No. 89

No. 88—Cast brass, [illegible] wood stock, w't each ¾ lbs., steel blade, adjustable, w't per doz. 1 lb. ..... per dozen ..... **DHJ** $4.80
No. 89—Clapboard gauges, metal stock, wood handle steel blade, adjustable, w't per doz. 6 lbs. ..... per dozen ..... **DHJ** $6.00
NO. 88, ONE; NO. 89, ONE-QUARTER DOZEN

SHINGLE GAUGES.

No. 040—Cold rolled steel, [illegible] with set screws, [illegible] per dozen ..... **ABJ** $3.00
ONE-HALF GROSS IN A BOX.

TRAMMEL POINTS.



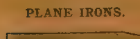
No. 2 No. 1

For Bar.
No. 2—Stanley's, cast brass, steel points, with pencil holder, w't per doz. prs. 3 lb. ..... per dozen ..... **AAHJ** $3.60
No. 1—[illegible] iron, nickel plated, steel points with pencil pocket, w't per doz. prs. 4½ lb. ..... per dozen ..... **FAJ** $9.00
ONE PAIR IN A BOX

For Rule.
No. 99—Stanley's, cast brass, steel points, with pencil socket, per dozen sets ..... **EJE** $6.00

PLANE IRONS AND PARTS.

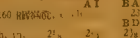
PLANE IRONS.



Single.

Width, in.	1⅝	1¾	2
No. 60—Bailey, each	$0.21	.24	.25
	AI	BA	BC
No. R60 Reversible, each	.23	.25	.26
	BD	BG	BJ
Width, in.	2⅛	2⅛	2⅝
No. 60—Bailey, each	.27	.28	.32
	BD	BE	BI
No. R60 Reversible, each	.27	.28	.32
	BI	CA	CC

ONE-HALF DOZEN IN A BOX.



Double, for Wood Bottom Planes.

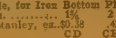
Width, in.	1⅝	2	2⅛
No. 65—Bailey, each	$0.38	.42	.45
	CD	CH	DJ
No. R65 Reversible, each	.39	.42	.45
	CD	CH	DJ
Width, in.	2⅛	2⅛	2⅝
No. 65—Bailey, each	$0.47	.48	.50
	DB	DC	DD
No. R65 Reversible, each	.47	.48	.50
	DE	DH	DH

ONE-HALF DOZEN IN A BOX.

Double, for Iron Bottom Planes.

Width, in.	1⅝	2	2⅛
No. 75—Stanley, each	$0.38	.42	.45
	CD	CH	DJ
No. R75, Reversible, each	.38	.42	.45
	CC	CG	DE
Width, in.	2⅛	2⅛	2⅝
No. 75—Stanley, each	$0.48	.48	.50
	DC	DD	
No. R75 Reversible, each	.48	.50	
	DH	DH	

ONE-HALF DOZEN IN A BOX.



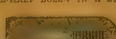
Block.

Irons, for Bailey planes, Nos. 9½, 9¾, 15, 15½, 16, 17, 18, 19 and 220, each ..... AE $0.17

Irons, for Reversible planes, Nos. R9½, R9¾, R15, R15½, R1600, R1700, R1800, R1900, R6500 and R2200, each AE $0.17

Extra Caps and Levers, for Bailey planes, Nos. 9½, 9¾, 15 and 15½, each ..... JI $0.10

Extra Caps and Levers, for Bailey planes, Nos. 18 and 19, each AF $0.20



Block.

Irons, for Stanley planes, Nos. 111 and 130 ..... each AB $0.13

Irons, for Reversible planes, Nos. R12, R103, R130 and R1300 ..... each AB $0.13

Extra Caps and Screws, for Stanley planes, Nos. 111, 130 and 151, each ..... JI $0.10

No. 6—Extra Caps for Nos. 4, 4½, 5½, 6 and 7 Bailey and Reversible Planes, each ..... BD $0.25

SIEGLEY SINGLE PLANE IRONS.

Width, in.	2	2⅛	2⅝	2½
Each	$0.30	.35	.40	.45
	BE	BG	CJ	EJ

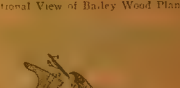
PLANE PARTS.

Parts of Block Planes.

Fig. 1B—Plane iron.
Fig. 4B—Cap.
Fig. 5B—Cap screws.
Fig. 7B—Adjusting lever.
Fig. 8B—Adjusting nut.
Fig. 9B—Lateral adjustment.
Fig. 16B—Bottom—adjustable throat.
Fig. 20B—Mouth-piece.
Fig. 21B—Eccentric plate.
Fig. 22B—Knob
Fig. 26B—Adjustable frog.
Fig. 28B—Adjusting screw.
Fig. 36B—Bottom.

PLANE PARTS.

Sectional View of Bailey Wood Planes.



Sectional View of Bailey Iron Planes.

Parts of Bailey Planes.

No. 1—Plane iron.
No. 2—Plane iron cap.
No. 3—Plane iron screw.
No. 4—Lever cap.
No. 5—Cap screw.
No. 6—Frog.
No. 7—"Y" adjustment.
No. 8—Brass adjusting nut.
No. 9—Lateral adjustment.
No. 10—Frog screw.
No. 11—Handle.
No. 12—Knob.
No. 13—Handle "bolt and nut."
No. 14—Knob "bolt and nut."
No. 15—Handle screw.
No. 16—Bottom—iron plane.
No. 35—Top casting—wood plane.
No. 36—Bottom—wood plane.

The accompanying cuts show the parts assembled in the Bailey iron and wood planes. The cuts of the block planes show how the parts are assembled for this class of plane. It will be noticed that two designs of adjustment for block plane are shown. In one the plane iron rests on a support cast solid with the bottom, and is moved backward and forward on this support, by the adjusting lever 7B, which engages with the notches in the plane iron. In the other the plane iron rests on and engages with the adjustable frog 26B, and the position of this adjustable frog is directly governed by adjusting screw No. 28B.

The collection of parts marked "Extra" for Bailey No. 7 "Y" adjustment plane includes the lever cap, No. 4, the cap screw, No. 5, the "Y" adjustment, No. 7, the brass adjusting nut, No. 8, and the lateral adjustment, No. 9. These parts are always put together before shipment from our factory.

In ordering parts for any plane, give the number and name as given on the list and also the number on the plane for which the parts are required.

We do not carry these goods in stock. All orders will be shipped from factory.

WOOD PLANES.

BARTLETT'S BENCH.

No. 3—8 in., smooth, 2 to 2¼ in. double iron, polished lignumvitae start, w't 2 lbs. .....each **JOE** $0.90
THIRTY-SIX IN A CASE.

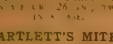
No. 10—16 in., jack, 2 to 2¼ in., single iron, polished lignumvitae start, w't 3½ lbs. .....each **JGJ** $0.85
No. 13—16 in., jack, 2 to 2¼ in., double iron, polished lignumvitae start, w't 4 lbs. .....each **JHE** $1.00
THIRTY-SIX IN A CASE.

No. 19—22 in., fore, 2¼ to 2¾ in., double iron, polished lignumvitae start, w't 5¾ lbs. .....each **DE** $1.70
All Bartlett planes are fitted with superior irons, manufactured from best cast steel and fully warranted.
TWENTY IN A CASE.

OGONTZ BENCH.

Double Iron, Polished Ebony Start.
8 in. Smooth, 2 to 2¼ in., w't 2 lbs., each .....**FE** $0.90
16 in. Jack, 2 to 2¼ in., w't 3½ lbs., each .....**JGJ** $1.00
22 in. Fore, 2¾ to 2⅞ in., w't 6 lbs., each .....**ABJ** $1.70
26 in. Jointer, 2⅞ to 3⅛ in., w't 7¼ lbs., each .....**ACJ** $1.80
8 IN. SIZE IN A CASE, TWENTY-FOUR IN A CASE. 22 IN., TWENTY IN A CASE. 26 IN., TWENTY IN A CASE.

BARTLETT'S MITER.



No. 38½—11 in., adjustable to any angle, single iron, w't 3½ lbs. .....each **GJ** $0.75
ONE DOZEN IN A BOX.

BARTLETT'S TOOTH.

No. W36—2¼ in., cast steel iron, w't 1¼ lbs. .....each **JJJ** $1.00
ONE IN A PACKAGE

BARTLETT'S DADO.

No. 62—Screw top, sizes ½, ¾ and ⅞ in., w't 1 lb. .....each **ACE** $1.50

Specify size in ordering.
ONE IN A PACKAGE

BARTLETT'S STEP NOSING.

No. 113½—2 irons, sizes ⅞, 1, 1¼ and 1½ in., w't 1¼ lbs. ....each **AJJ** $1.10
No. 113½—2 irons, sizes 1⅜ and 1⅝ in., w't 1½ lbs. .....each **AAJ** $1.20

Specify size in ordering.
ONE IN A PACKAGE

BARTLETT'S BOARD MATCH.

One Pair No. 99.

No. 99—Sizes ½, ¾, ⅞ and 1 in., w't 2¼ lbs. .....per pair **ACE** $1.50

Specify size in ordering.
ONE PAIR IN A PACKAGE

BARTLETT'S SKEW RABBET.

No. 145—Sizes ½, ⅝, ¾, ⅞ and 1 in., w't 1 oz. .....each **EE** $0.60
No. 146—1¼ in., w't 1½ lbs., each .....**FJ** 65
No. 146—1⅜ in., w't 1½ lbs., each .....**FE** 70
No. 146—1½ in., w't 1½ lbs., each .....**GJ** .80

Specify size in ordering.
ONE PAIR IN A PACKAGE.

BARTLETT'S JACK RABBET.

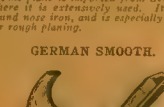
No. 149. Side Handle.
No. 149—Center handle, with 2 cutters, sizes 1½, 1¾ and 2 in., w't 2¼ lbs., each .....**AZE** $1.70
No. 149—Side handle, with 2 cutters, sizes 1¼, 1½, 1¾ and 2 in., w't 2¾ lbs., each .....**AGJ** $1.90

Specify size in ordering.
ONE PAIR IN A PACKAGE.

GERMAN SCHRUP.

No. 500—10 in., 1¾ in. single iron, with horn, w't 1½ lbs. .....each **JGJ** $1.25
Extra Irons, for No. 500, each **BJ** .40
This plane is imported from Germany, where it is extensively used. It has a round nose iron, and is especially useful for rough planing.

GERMAN SMOOTH.



No. 400—8½ in., 2 in. double iron, w't 2 lbs. .....each **ABJ** $1.50
This plane has a horn in front of the cutting iron and requires a little filing by the user.

FANCY WOOD PLANES AND FLOOR SCRAPERS.

BARTLETT'S HOLLOWS AND ROUNDS.

Hollow. Round

Nos.	3	4	5	6
Inches	¼	⅝	½	¾
W't, pr., lbs.	1¼	1⅛	1⅜	1⅝
Per pair	$1.00	1.00	1.00	1.00
	JIJ	JIJ	JIJ	JIJ

Nos.	7	8	9
Inches	1	1⅛	1¼
W't per pr., lbs.	2	2½	2¾
Per pair	$1.15	1.15	1.15
	AJE	AJE	AJE

ONE PAIR IN A PACKAGE.

BARTLETT'S BEAD.

No. 47. No. 51.

Side, Single Boxed.

No. 47—Sizes ⅛, ¼, ⅜, ½ and ⅝ in., w't 12 oz. ..... each DE $0.50

Center, Double Boxed.

No. 51—Sizes ⅛, ⅜ and ½ in., w't 12 oz., each ..... EE $0.60

Specify size in ordering.

ONE IN A PACKAGE

BARTLETT'S SASH.

No. 169—Ogee, boxed, dovetailed, screw arms, self regulating, w't 2 lbs., each ..... BJE $2.25

ONE IN A PACKAGE

BARTLETT'S MOULDING.

Scotia or Quarter Round.

No. 54—Size ⅜ in., w't 1¾ lbs., each ..... DE $0.50

No. 54—Sizes ½ and ⅝ in., w't 1¾ lbs., each ..... FJ $0.65

Specify size in ordering.

ONE IN A PACKAGE.

PLANE IRONS.

BARTLETT'S, Single, for Wood Bench Planes.

No. 80—				
Width, in..	2	2⅛	2¼	2⅜
W't doz., lbs.	6	6½	7	7½
Each	$0.35	.35	.35	.35
	BE	BE	CJ	CE

ONE DOZEN IN A BOX.

FLOOR SCRAPERS.

"Little Giant," complete with 6 blades, 7⅛ in. long, 2½ in. wide, w't crated 105 lbs. ..... each CFJJ $50.00

Extra blades, w't per doz. 2½ lbs., per dozen ..... FEJ $8.00

The Little Giant floor scraper is a device used for scraping any kind of a floor. The blade is mounted on a frame at an angle of 60 degrees, and the frame is mounted on four rollers. The large roller is a weight of 65 pounds and is used to give the pressure upon the blade when the scraper is in operation.

It has a capacity of from five to seven squares (100 square feet in a square) per day. The handle can be shortened when necessary, for small rooms. Every inch of the floor can be [illegible] along the base-board and quarter-round strip. Six blades are included with each machine. Each blade will scrape 600 square feet of floor.

Sterling Silver Deposit $\frac{999}{1000}$ Fine Glassware

WE are headquarters for this glassware, and the styles shown in this and the following pages represent the most appropriate and effective blanks for Silver designs. These decorations are strictly original patterns, white inside, the result of careful workmanship and inspection. We guarantee to maintain the excellence that has distinguished Fostoria Product for years. Every piece bears the trade mark label a guarantee of highest grade of Sterling Silver used. Illustrations on this and the following pages convey an adequate idea of the splendid variety offered at most attractive prices.

ILLUSTRATIONS ARE REDUCED SIZE

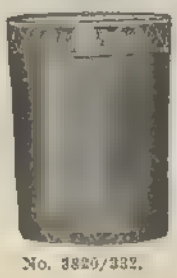
No. 30[illegible] Pitcher.....Each $20.00
Height 8½ inches, capacity 3 pints
Cane bar bottom

No. 3006/350 Pitcher.....Each $17.00
Height [illegible] inches, capacity, 4 pints
No. 382[illegible] Tumblers to match
Per Doz. $48.00
Height 3[illegible] inches

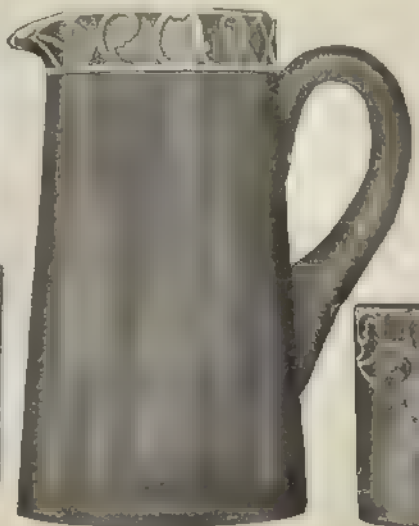
No. 3111/311 Pitcher.....Each $17.00
Height, 7⅛ inches, capacity, 4 pints
No. 3820/311 Tumblers to match.....Per Doz. $56.40
Height, 3¾ inches

No. 3095/344 Pitcher.....Each $36.00
Height 10½ inches, capacity 3 pints
No. 3889/344 Tumblers to match Per Doz. $46.80
Height 3⅝ inches.

No. 3884/314.



No. 3820/332.



No. 3007/332 Pitcher.....Each $5.00
Height 9 inches, capacity 4 pints
No. 3821/332 Tumblers to match
Per Doz. $31.20
Height, 3¾ inches.

No. 3007/314 Pitcher.....Each $13.00
Height 9 inches, capacity, 4 pints
No. 3821/314 Tumblers to match Per Doz. $38.40
Height, 3¾ inches.

Sterling Silver Deposit 999/1000 Fine Glassware

Latest and most artistic designs

Appropriate for any occasion

ILLUSTRATIONS ARE REDUCED SIZE

No. 3806 366 Pitcher ..... Each $50.00
Silvered Handle
Height, 8¼ inches. Capacity, 4 pints.
No. 3820 366 Tumblers to match. Per doz. $144.00
Height 3¾ inches.

No. 3806 392 Pitcher ..... Each $10.00
Height, 9 inches. Capacity 4 pints.
No. 3820 392 Tumblers to match. Per doz. $36.00
Height 3¾ inches.

PITCHER
No. 3806 59 Each $24.00
Height 8¼ inches. Capacity 3 pints.
TUMBLERS TO MATCH.
No. 3820 359 Per dozen $72.00
Height 3¾ inches.
Cut Star Bottom

PITCHER.
No. 3806 404 Each $18.00
Height, 8½ inches. Capacity, 3 pints
TUMBLERS TO MATCH.
No. 3820 404 Per dozen $72.00
Height 3¾ inches.
Cut star Bottom

PITCHER
No. 3806 398 Each $18.00
Height, 8½ inches. Capacity, 3 pints.
TUMBLERS TO MATCH
No. 3820 398 Per dozen $48.00
Height, 3¾ inches
Cut Star Bottom

PITCHER.
No. 3006/361 Each $10.00
Height, 8½ inches. Capacity 3 pints
TUMBLERS TO MATCH.
No. 3820 361 Per dozen $54.00
Height 3¾ inches.

PITCHER.
No. 3724 311 Each $17.50
Silvered Handle
Height, 8½ inches. Capacity, 4 pints.
TUMBLERS TO MATCH.
No. 3858/311 Per dozen. $60.00
Height, 3¾ inches.

PITCHER.
No. 3806 393 Each $12.00
Height, 8½ inches. Capacity, 3 pints.
TUMBLERS TO MATCH.
No. 3820 393 Per dozen $36.00
Height, 3¾ inches.

Sterling Silver Deposit 999/1000 Fine Glassware

THIS PRODUCT IS BECOMING EXTREMELY POPULAR. MUST BE SEEN TO BE APPRECIATED

WINE [illegible] KEY DECANTER
Height, 9½ inches, capacity, 1 pint.
No. 3800/313 .....Each $22.00

[illegible]
No. [illegible] Each $24.00
Height, 8¼ inches, capacity, 2 pints.
Cut Neck.

WATER DECANTER.
No. 3697/312 . . . Each $18.00
Height, 8 inches, capacity, 1½ pints.

[illegible]
No. 3806/314 . . . Each $40.00
Height [illegible] inches, capacity, 3 pints.
Special Cut Neck.

WHISKEY JUG
No. 3452/312 Silver Deposit . . . Each $27.00
Height 9 inches, capacity, 1 pint.
Whiskey Tumblers to match
No. 3600/314 . . . Per Doz. $48.00
Height [illegible] inches

WHISKEY JUG
No. 34[illegible]/306 Silver Deposit . . . From $22.0
Height [illegible] inches, capacity, 2 pints
Whiskey Tumblers to match
No. 3600/351 . . . Per Doz $28.80
Height 2¾ inches

No. 3600/350.

ILLUSTRATIONS ARE REDUCED SIZE

WHISKEY DECANTER
No. [illegible]301/403 . . . Each $17.00
Height [illegible] inches, capacity, 1 pints
Whiskey Tumblers to match.
No. 3600/403 . . . Per Doz $36.00
Height 3¾ inches

CLARET PITCHER
No. 3005/406 . . . Each $12.00
Height, 10¼ inches, capacity, 3 pints.
Claret Tumblers to match
No. 3889/406 . . . Per Doz $31.20
Height [illegible] inches

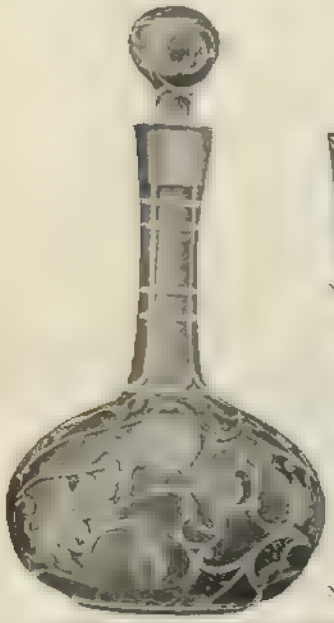
CLARET PITCHER
No. [illegible]317 Silver Deposit . . . Each $[illegible].0
Height 10¾ inches, capacity 3 pints

CLARET PITCHER
No. 3787/317 . . . Each $13.0
Height, 9¼ inches, capacity 2½ pints

Sterling Silver Deposit $\frac{999}{1000}$ Fine Glassware

ITS BEAUTY, GRACEFUL SILVER EXECUTION AND FINE FINISH IS ADMIRED WONDERFULLY

ILLUSTRATIONS ARE REDUCED SIZE



WHISKEY OR WINE DECANTER

No. 3[illegible] Each $30.00
Height [illegible] inches

No. 3[illegible] Each $22.00
Height [illegible]

Whiskey Tumblers to match

No. 3[illegible] Per Doz. $26.40
Height [illegible]

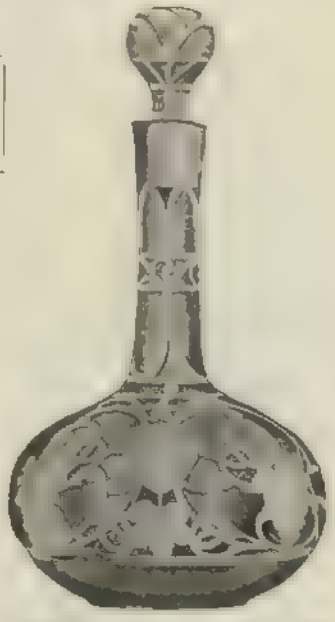
Liquor Glasses to match

No. 386 3[illegible] Per Doz. $28.80
Height, 3½ inches

No. 3600 312.

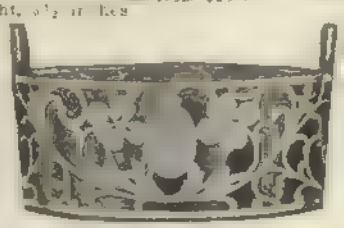
WHISKEY DECANTER

No. 3464/313.....Each $36.00
Height [illegible] inches [illegible] pint
Whiskey Tumblers to match
No. 3[illegible] Per Doz. $48.00
Height, 5¼ inches.



WINE OR WHISKEY DECANTER

No. [illegible] Each $[illegible]
Height [illegible] inches, capacity, 2 pints.



ICE TUB

No. [illegible] Each $21.00
Height [illegible]
[illegible] bottom

ICE TUB

No. [illegible] Each $19.00
Height [illegible] diameter.

INDIVIDUAL SALT DIP

No. 3432½ 412 Each $[illegible]
[illegible]

SALT AND PEPPER

Sterling silver and pearl top

No. [illegible]413-414

Per Pair $4.00

Height 3 inches

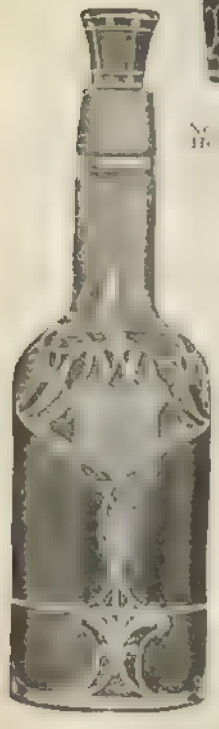
SALT AND PEPPER

Sterling silver and pearl top

No. 3314 413

Per Pair $3.00

Height 3 inches



No. 3701 342

No. 3701 342.

WHISKEY BOTTLE

No. 3319, 342.....Each $20.00
Height, 12 inches; capacity, 2 pints.
Whiskey Tumblers to match
No. [illegible] Per Doz. $30.00
Height, 2¾ inches
Highball Tumblers to match.
No. 3701-342.....Per Doz. $54.00
Height, 4⅛ inches.

No. 3555, 343

No. 3555, 343

WHISKEY BOTTLE.

No. 3[illegible] Each $2[illegible].00
Height 1[illegible] inches, capacity, 2 pints.

Whiskey Tumblers to match.

No. [illegible] Per Doz. $42.00
Height 2[illegible] inches

Highball Tumblers to match.

No. 3555/343.....Per Doz. $90.00
Height, 4⅝ inches.

WHISKEY BOTTLE

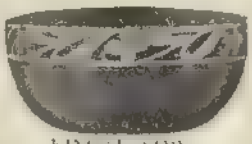
No. 3319 402.....Each $12.50
Height, 12½ inches, capacity, 2 pints.
Whiskey Tumblers to match
No. [illegible] Per Doz. $28.80
Height 2¾ inches.
Highball Tumblers to match
No. 3701 402.....Per Doz. $48.00
Height, 4⅝ inches.

Sterling Silver Deposit $\frac{999}{1000}$ Fine Glassware

Our assortment is complete enabling you to easily make your selection. Illustrations are reduced size.

DEEP FRUIT OR SALAD BOWL

No. 3848/311.....Each $13.00
Height, 2½ inches, diameter, 7 inches.
Cut star bottom.



FINGER BOWL

No. 3499 332 ..... Each $4.00
Height 2 inches. Diameter 4¼ inches.

BERRY NAPPY

No. 3237 332 4½ inch ..... Each $6.00
Cut star bottom

BERRY NAPPY

No. 3237/399..... Each $9.00
Diameter, 4½ inches
Cut star bottom

BERRY BOWL

No. 3237 399 .....Each $35.00
Diameter, 8 inches.
Cut Star Bottom.

CHEESE AND CRACKER PLATE SET

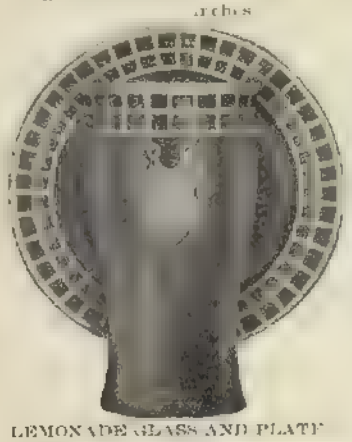
Nos. 3049/350 and 3737/350 Two-piece Set complete.....Per Set $5.40
Separate pieces as follows:
No. 3049 350 Cheese ..... Each $2.00
No. 3737 350 Plate ..... Each $3.40
Diameter of plate, 6¾ inches
Height of cheese, 2 inches diameter, 2⅛ inches

FOOTED SHERBET AND PLATE SET

No. 3840 370 Complete 2-piece Set $5.00
Separate pieces as follows
No. 3840 370 Sherbet ..... Each $2.50
No. 3840 370 Plate ..... Each $2.50
Height of Sherbet Cup, 3⅛ inches diameter 3 inches
Diameter of Sherbet Plate 5⅛ inches

BERRY BOWL

No. 3237/368 8 inch ..... Each $17.00
Cut star bottom



LEMONADE GLASS AND PLATE

No. 3858 307 Complete 2-piece Set ..... Per Set $10.00
Separate pieces as follows
No. 3858 307 Lemonade Glass cut star bottom ..... Each $6.00
No. 3858/307 Lemonade Plate ..... Each $4.00
Height of Glass, 5⅛ inches, diameter of Plate, 6 inches

FINGER BOWL AND PLATE SET

Nos. 3769 353 and 3499 350
Complete 2 piece Set ..... Per Set $12.00
Separate pieces as follows
No. 3769 350 Finger Bowl ..... Each $6.00
No. 3499 350 Plate ..... Each $6.00
Height of Finger Bowl 2¾ inches diameter, 4¼ inches.
Diameter of Plate, 6 inches
Both have cut star bottom.

CHEESE AND CRACKER PLATE SET

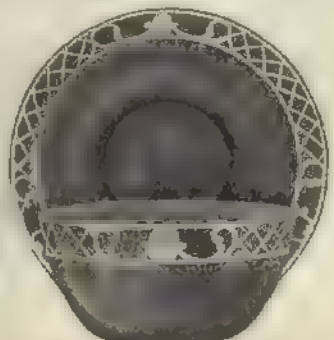
Nos. 3049 332 and 3737 332
Complete 2 piece Set ..... Per Set $3.50
Separate pieces as follows.
No. 3049, 332 Cheese ..... Each $1.75
No. 3737 332 Plate ..... Each $1.75
Diameter of Cheese 3½ inches.
Diameter of Plate 5⅛ inches.
Height, 1⅝ inches.

FOOTED SHERBET AND PLATE SET

No. 3840, 350 Complete 2-piece Set ..... Per Set $7.00
No. 3840/350 Footed Sherbet Cup ..... Each $3.00
No. 3840/350 Plate ..... Each $4.00
Height of Sherbet Cup, 3⅛ inches; diameter, 3 inches
Diameter of Plate, 5⅛ inches.
Sherbet Plate has cut star bottom.

SANDWICH PLATE AND COMPOTE SET

No. 3848/378 and 3051/378 Complete 2-piece Set. ..... Per Set $21.00
Separate pieces as follows
No. 3848 378 Plate ..... Each $13.00
No. 3051/378 Compote ..... Each $8.00
Diameter of Plate 9 inches
Diameter of Compote 5¼ inches height 3 inches



FINGER BOWL AND PLATE SET.

No. 3349 332 and 3499 332 Two-piece Set Complete..... Per Set $6.00
Separate pieces as follows
No. 3349 332 Finger Bowl... Each $3.00
No. 3499 332 Plate..... Each $3.00
Height of Finger Bowl, 2¾ inches diameter, 4½ inches.
Diameter of Plate, 5⅞ inches.

FOOTED SHERBET AND PLATE SET.

No. 3840/332 Complete 2-piece Set ..... Per Set $4.40
No. 3840/332 Footed Sherbet... Each $2.00
No. 3840-332 Plate ..... Each $2.40
Height of Sherbet Cup, 3¼ inches diameter, 3 inches.
Diameter of Plate 5¼ inches.

Sterling Silver Deposit 999/1000 Fine Glassware

Only the highest and best quality is used in the construction of this product. When you compare prices, consider this. Illustrations are reduced size.

INDIVIDUAL NUT
No. 3863 322. Each $2.00
Height, 1¼ inches; diameter, 2½ inches.

INDIVIDUAL NUT
No. 3863 322. Each $ 7.0
Height, 1¼ inches; diameter 2½ inches.

SHERBET
No. 3842 3[illegible] Each $3.00
Height, 2¾ inches; diameter 3¾ inches.

SHERBET
No. 3842 310 Each $6.00
Height, 2⅝ inches; diameter, 3⅛ inches.

SHERBET
No. 3863/332..Each $3.00
Height, 3⅛ inches, diameter, 3½ inches

[illegible] SHERBET
No. 38[illegible] Each $4.00
Height, 3¼ inches; diameter, 3½ inches

FOOTED SHERBET
No. 3842 332 Each $2.40
Height, 2¾ inches, diameter, 3¼ inches.

LOW DEEP COMPOTE
No. 3862 393 Each $[illegible]
Height, 3 inches, diameter 5 inches.

LOW DEEP COMPOTE
No. 3802 351 Each $8.00
Height, 3 inches, diameter, 5 inches.

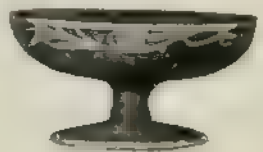
LOW DEEP COMPOTE
No. 3802 [illegible] Each $ [illegible]
Height, 3 inches; diameter 5 inches.

CHAMPAGNE.
No. 3792/353.....
..... Per Doz. $120.00
Hollow stem; height, ½ inches.

PUNCH.
No. 3932/332.....
Per Doz. $42.00
Height, 4½ inches.

SHERRY.
No. 3863/313.....
Per Doz. $[illegible].50
Height, 4½ inches.

LOW DEEP COMPOTE.
No. 3802/332 .Each $6.00
Height, [illegible] inches; diameter, 4¾ inches.



LOW COMPOTE.
No. 3803/351..Each $5.00
Height, 2¼ inches; diameter, 4⅛ inches

COMPOTE.
No. 3[illegible] 353.....Each $7.00
Height, 4⅜ inches, diameter, 4⅝ inches.

COMPOTE.
No. 3858/350.....Each $8.00
Height 5⅛ inches; diameter 4½ inches.

COMPOTE.
No. 3[illegible] 3[illegible] .Each $4.50
Height 4¾ inches; diameter, 4[illegible] inches.

TALL COMPOTE
No. 3[illegible] 3[illegible] Each $6.00
Height [illegible] inches; diameter 5 inches

TALL COMPOTE.
No. 3803/332.....Each $7.00
Height, 6 inches; diameter, 4⅝ inches.

TALL COMPOTE.
No. 3803/353.....Each $10.00
Height, 6 inches; diameter 4⅝ inches.

TALL COMPOTE.
No. 3803/351..... .Each $10.00
Height 6 inches, diameter, 5 inches.

COMPOTE.
No. 3858/332 ..... Each $4.50
Height, 5¼ inches, diameter, 4⅛ inches.

Sterling Silver Deposit $\frac{999}{1000}$ Fine Glassware

ILLUSTRATIONS ARE REDUCED SIZE

SUGAR AND CREAM SET.
Sugar height, 3⅝ inches, Creamer height, 3¾ inches.
No. 3478/319 ..... Per Set $8.00

SUGAR AND CREAM SET.
Sugar height, 2⅛ inches, Creamer height, 3⅛ inches
No. 3712/332..... Per Set $4.00

SUGAR AND CREAM SET
Sugar height, 2⅝ inches Cream height, 4 inches
No. 3154/307 ..... Per Set $12.00

SUGAR AND CREAM SET
Sugar height 3 inches Creamer height, 3¾ inches
No. 3478/ ..... Per Set $8.00

SUGAR AND CREAM SET
Sugar height, 2⅛ inches Creamer height, 2¾ inches
No. 3712/350..... Per Set $4.00

SUGAR AND CREAM SET.
Sugar height, 2½ inches Creamer height, 2½ inches.
No. 3851/415..... Per Set $15.00
Cut star bottom.

SUGAR AND CREAM SET
Sugar height, 3⅛ inches, Creamer height, 3⅛ inches.
No. 3712/3 0 .. Per Set $4.00

SUGAR AND CREAM SET
Sugar height, 3⅛ inches, Creamer height, 4 inches.
No. 3478/389..... Per Set $14.00
Cut star bottom

SUGAR AND CREAM SET
Sugar height, 3⅛ inches Creamer height, 4 inches
No 3478/3 1 .. ...Per Set $8 00

SUGAR AND CREAM SET.
Sugar height 2⅝ inches Creamer height, 3⅛ inches.
No. 3712/390.. . Per Set $1 00

SUGAR AND CREAM SET (THREE PIECES).
Sugar height 2⅛ inches, Creamer height, 2¾ inches Cream height, 3⅛ inches.
No. 3712/401 Three-piece Set..... $6 00

SUGAR AND CREAM SET
Sugar height, 3⅛ inches, Creamer height, 4 inches.
No 3478/398. .Per Set $11.00
Cut star bottom.

SUGAR AND CREAM SET
Sugar height, 3⅛ inches, Creamer height, 4 inches.
No 3478/405 . Per Set $10 00
Cut Star Bottom.

Sterling Silver Deposit 999/1000 Fine Glassware

INDIVIDUAL CREAM AND PLATE SET
No. 3[illegible] Per set [illegible] $3.00
[illegible] height, 3¾ inches
Diameter of plate, 5 inches.

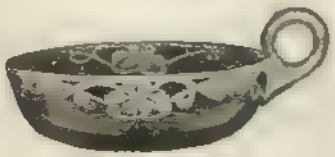
WINE
No. 3093/332.
Per dozen $10.80
Height, 3¾ inches.

BRANDY
No. 3701/332.
Per dozen $1[illegible]
Height, 2⅛ inches.

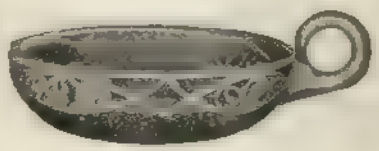
BON BON DISH
No. 3904/420 Each $24.00
Height [illegible] inches
Diameter, 6 [illegible] inches
Cut Star Bottom

MARMALADE JAR.
No. 3733/331 Each. .. .$14.00
Height, 4¾ inches.
Diameter, 4 inches.

Illustrations are reduced size



HANDLED NAPPY
No. 3[illegible] Each $8.00
Diameter [illegible] inches.
Cut Star Bottom



HANDLED NAPPY
No. [illegible] Each
No. [illegible] 4½ inch $[illegible]
No. [illegible] 5 inch 7.[illegible]
No. 32 37 6 inch 12.00

MARMALADE JAR.
No. 3733 399 Each $15.00
Height, 4¾ inches.
Diameter, 4 inches.
Cut Star Bottom.

NUT BOWL.
No. [illegible]71 332 Each...$5.50
Height [illegible] inches.
Diameter [illegible] inches.
Cut Star Bottom

MUSTARD POT
No. 3831/314 Each. $7.00
Height, 3⅝ inches.

PUFF BOX.
No. 3666/394 Each...$7.00
Height, 3 inches.
Diameter, 4 inches.

TOOTHPICK HOLDER
No. [illegible]23 350 Each $2.00
Height, 2½ inches.

MARMALADE JAR.
No. [illegible] Cut $[illegible]
[illegible]
Diameter [illegible] inches.
Cut Star Bottom

PUFF BOX.
No. 3666/347 Each .$12.00
Height, 2⅝ inches.
Diameter, 4¼ inches.

MARMALADE JAR.
No. 3733 350 Each $12.00
Height, 4¾ inches.
Diameter, 4 inches.
Cut Star Bottom.

LEMON DISH.
No. 3281 399 Each ..$9.00
Diameter, 5 inches
Cut Star Bottom

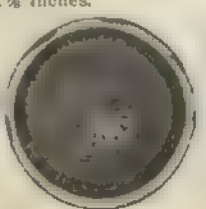
HIGHBALL GLASS.
No 3701/402 Each.$4.00
Height, 4⅛ inches.

CREAM OR SYRUP PITCHER
No. 3712/350 Each $5.00
Height, 4 inches
Capacity, ½ pint

CIGAR JAR.
No. 3711/340 Each $30.00
Height 8 inches
Diameter of body, 4¾ inches
Cut Star Bottom

CHEESE PLATE AND COVER.
No. 3686/375 Each $21.00
Diameter of plate 5[illegible] ins.
Diameter of cover [illegible] ins.
Height [illegible] inches.
Cut star bottom

TOOTHPICK HOLDER
No. [illegible] 332.
Each ...$1.20
Height, [illegible] inches.



COASTER.
No. 3107 Cut Each .$1.50
Diameter 3[illegible] inches.
Height [illegible] inch.
Cut Star Bottom.

COASTER
No. 3693½ 332 Each $2.80
Diameter, 4¾ inches.
Height, [illegible] inch.

HORSERADISH JAR.
No. 3[illegible] 312
Each $1.00
Height [illegible] inches.

Sterling Silver Deposit 999/1000 Fine Glassware

Illustrations are reduced size

ONE OUNCE DECANTER
No. 348[illegible] Two ounce ..... Each $4.00
Height, 2⅞ inches.

LAVENDER SALT.
No. 3475, 419 Each $15.00
Height, [illegible] inches.

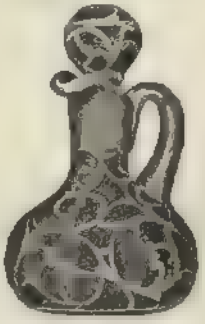
COLOGNE.
No. 3003/364 2½ ounce ..... Each $4.00
Height, [illegible] inches.

COLOGNE
No. 3006 3[illegible] ounce ..... Each $7.00
Height, [illegible] inches.

COLOGNE.
No. 3301 3[illegible] Three ounce ..... Each $7.00
Height 4[illegible] inches.

OIL OR VINEGAR.
No. 3405 350 [illegible] Each $11.00
Height [illegible] inches
Cut star bottom

COLOGNE.
No. 3405 364 [illegible] ounce ..... Each $7.00
Height [illegible] inches.



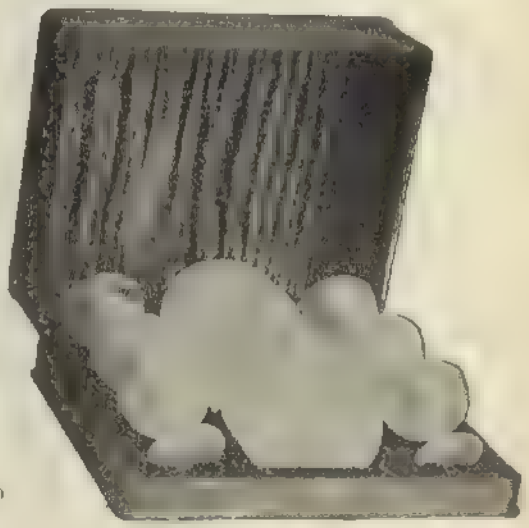
OIL OR VINEGAR
No. 3[illegible]65 3[illegible]2 Each $12.00
Height, 5½ inches.

COLOGNE.
No. 3007 356 Four ounce ..... Each $8.00
Height, [illegible] inches.

COLOGNE.
No. 3004 364 Four ounce ..... Each $6.00
Height, 3¾ inches.

OIL OR VINEGAR
No. 3405 350 Each $15.00
Height, 7 inches.
Cut star bottom

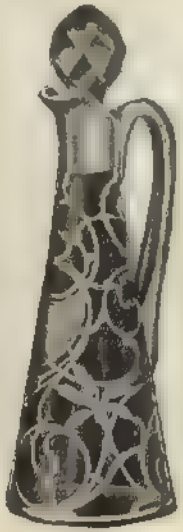
OIL OR VINEGAR
No. 340[illegible] 3[illegible] Each $11.00
Height 7 inches
Cut star bottom



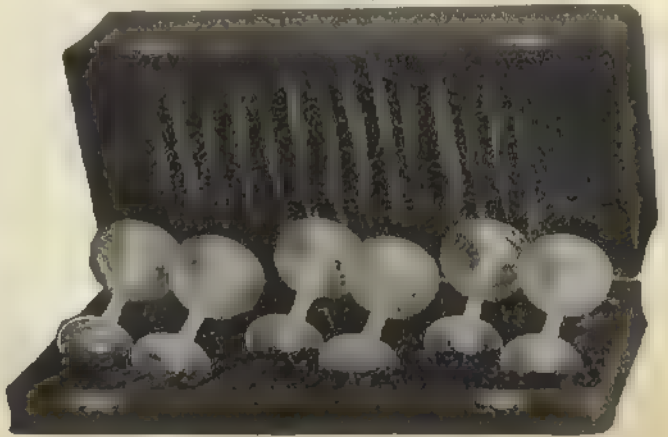
FOOTED SHERBET AND PLATE SET
No. 104 S[illegible] Per Set $38.40
Set consists of 8 footed sherbet cups and 8 plates, diameter [illegible] inches and plates, diameter 5¼ inches, put up in a fancy satin and plush lined silk covered case. Dimensions of case 20¾x8½ inches.

WHISKEY SET

No. 103 Set complete....Per Set $45.00
Set contains one whiskey bottle, height, 12 inches, capacity 2 pints, and 6 whiskey tumblers, height, 2¾ inches, put up in a fancy satin and plush lined, silk covered case. Dimensions of case, 12½x10½x7⅝ inches.



OIL OR VINEGAR.
No. 3894/418 Silvered handle... Each $13.00
Height, 9⅛ inches.



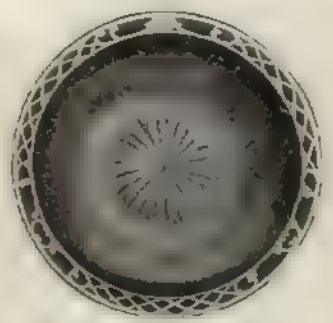
FOOTED CHAMPAGNE SET
No. 106 Set complete..... Per Set $72.00
Set contains 8 hollow stem, footed champagne glasses, No. 2793/352, height 5½ inches, put up in a fancy satin and plush lined silk covered case. Dimensions of case, 10x7x3½ inches.

Sterling Silver Deposit $\frac{999}{1000}$ Fine Glassware

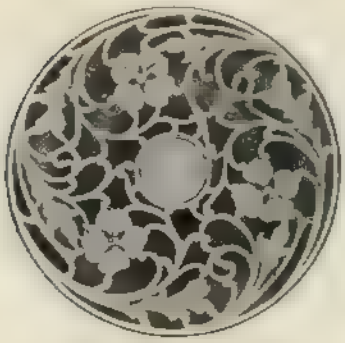
Illustrations are Reduced Size

BON BON DISH.
No. 3848/378 Each . . . $12.00
Height, 1 inch
Diameter, 5 inches
Cut Star Bottom

FRUIT OR SALAD BOWL
No. 3848/378 Each . . . $11.00
Height, 2½ inches
Diameter, 5 inches
Cut Star Bottom



SLICED LEMON DISH
No. 328[illegible] Each $4.00
Height, 1¼ inches
Diameter, 5 inches
Cut Star Bottom



PLACQUE OR PLATEAU

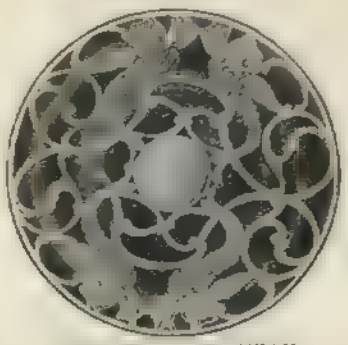
			Each
No. 3[illegible]	[illegible]	[illegible]	$[illegible]
No. [illegible]	[illegible]	[illegible]	10.00
No. 3[illegible]	[illegible]	[illegible]-inch	13.00
No. [illegible]	[illegible]	7-inch	17.00
No. 3[illegible]	[illegible]	[illegible]	[illegible]
No. [illegible]	[illegible]	10-inch	28.00
No. 3000	341	12-inch . . .	40.00

LEMON DISH
No. 3251 341 Each . . . $7.00
Diameter, 5 inches
Cut Star Bottom

FLARED FRUIT OR SALAD BOWL
No. 3848/378 Each $12.00
Height, 2 inches
Diameter, 8½ inches

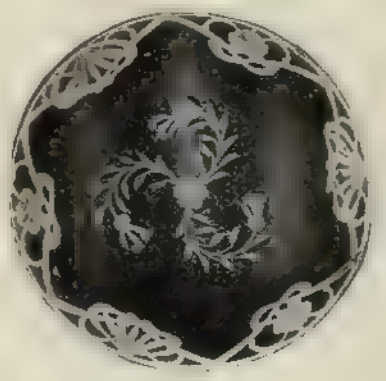
PLACQUE OR PLATEAU

No. [illegible]	391	7-inch	Each $8.00
No. [illegible]	391	8-inch	Each 10.00



PLACQUE OR PLATEAU

No. 3[illegible]	39[illegible]	[illegible]-inch	Each $10.00
No. 3000	391	8-inch	Each 14.00



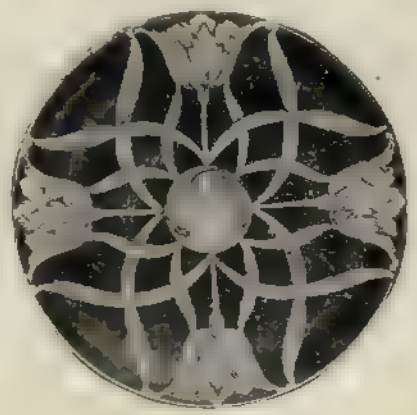
PLACQUE OR PLATEAU
No. 3000 339 7-inch. . . . . Each $14.00

SANDWICH OR CAKE PLATE
No. 2719/332 10½-inch. . . . . Each $9.50
Cut Star Bottom.

PLACQUE OR PLATEAU.

			Each.
No. 3[illegible]	359	5-inch	$ 7.[illegible]
No. 3[illegible]	359	6-inch	10.00
No. 3[illegible]	359	7-inch	15.00
No. 3[illegible]	359	8-inch	17.00
No. 3000	359	10-inch . .	20.00

Cut Star Bottom

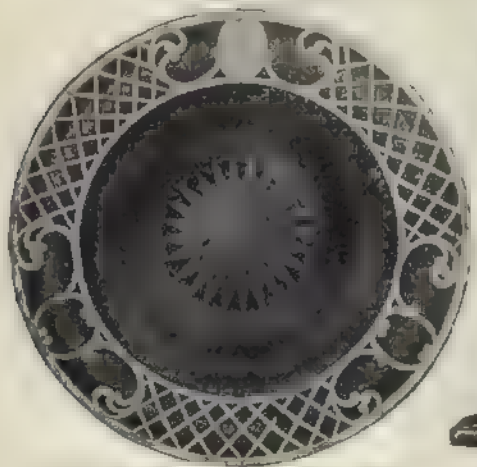


PLACQUE OR PLATEAU

		Each.
No. 3000/407	6-inch.	$12.00
No. 3000/407	7-inch. .	[illegible]
No. 3000/407	8-inch. .	17.00

Sterling Silver Deposit $\frac{999}{1000}$ Fine Glassware

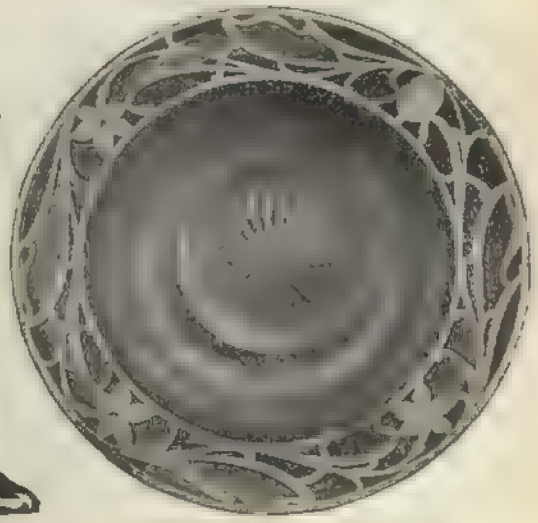
ILLUSTRATIONS ARE REDUCED SIZE



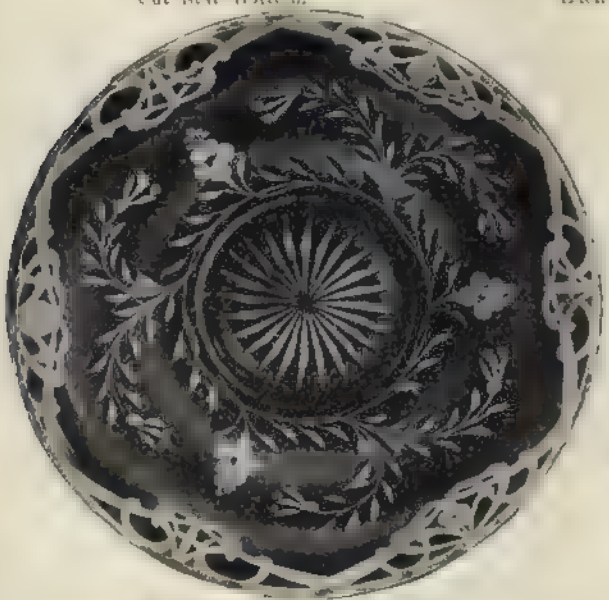
WHIPPED BISCUIT OR FRUIT BOWL
No. 3744 33. Each $7.50
Height 2 inches.
Diameter 9 inches.
Cut Star Bottom.

CANDLE STICK
Height 8 inches.
Base 4¾ inches.
No. 3218 321 Each $10.00

CANDLE STICK
Height 8 inches.
Base 3¾ inches.
No. 3218 347 Each $12.00

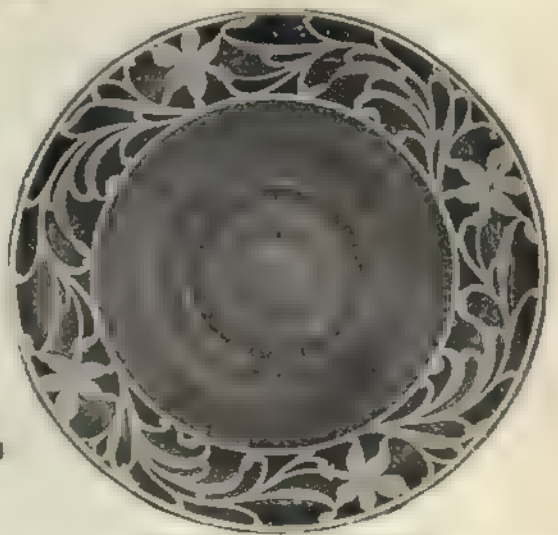


SANDWICH OR CAKE PLATE
No. 3848 372 Diameter 9 inches Each $13.00
Cut Star Bottom.

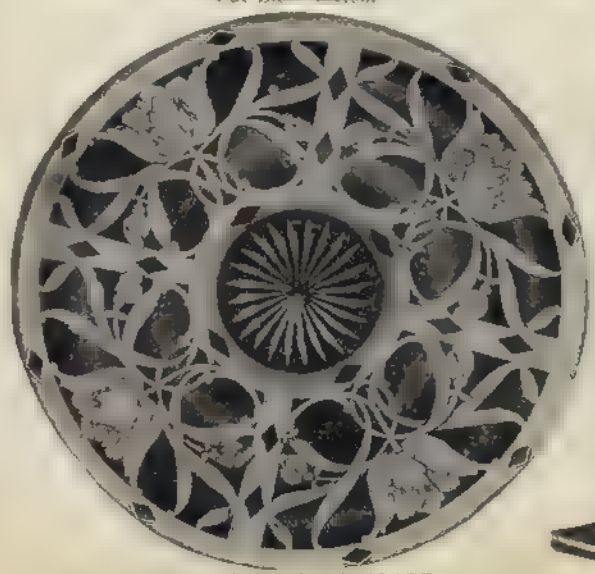


SANDWICH OR CAKE PLATE
No. 3719 319 Diameter 12 inches . Each $24.00
Cut Star Bottom.

CANDLE STICK
Height 8 inches.
Base 4¾ inches.
No. 3485 321 Each $12.00



SANDWICH OR CAKE PLATE
No. 3719 33 Diameter 9 inches Each $17.00
Cut Star Bottom.



SANDWICH OR CAKE PLATE.
No. 37.9 407 Diameter 10½ inches . . Each $36.00
Cut Star Bottom.

CANDLE STICK
Height 8 inches.
Base 4¾ inches.
No. 3485/371. Each $6.00

SANDWICH OR CAKE PLATE.
No. 3719 398 Diameter, 14½ inches Each $18.00
Cut Star Bottom.

Sterling Silver Deposit 999/1000 Fine Glassware

Illustrations are reduced size

VASE
No. 3725/386 Each $2.40
Height 6 inches

BUD VASE
No. 3804/372 Each $4.00
Height, 6 inches

VASE
No. 3796/410 Each $50.00
Height 9½ inches

VASE
No. 3797/362 Each $20.00
Height 8½ inches

VASE
No. 3805/410 Each $25.00
Height 8 inches

VASE
No. 3725/363
Each $3.00
Height 9½ inches

VASE
No. 3725/371
Each $4.00
Height 9½ inches

VASE
No. 3725/410
Each $5.00
Height 8 inches

VASE
No. 3725/410
Each $5.00
Height 9½ inches

VASE
No. 3725/410
Each $3.00
Height 6½ inches

BUD VASE
No. 3804/410
Each $3.00
Height 8 inches

VASE

		Each
No. 3725/358	6 in.	$ 8.00
No. 3725/358	8 in.	16.00
No. 3725/358	10 in.	22.00
No. 3725/358	12 in.	31.00

VASE
Triangle Shape.
No. 3275/375
Each $29.00
Height, 10 inches.

VASE
No. 3310/301
Each $30.00
Height, 10 inches.

BUD VASE
No. 3804/372
Each $8.00
Height, 8 inches.

ART NOUVEAU
or
WALL VASE
No. 3681/367
Each $7.00
Height 8 inches

POCKET KNIVES

*DIAMOND EDGE FANCY PATTERNS

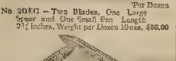
EMPIRE

Forged from Best Pocket Cutlery Steel Known, Thomas Firth & Sons, Sheffield, England, Carefully Hardened and Perfectly Tempered by the Most Skilled and Experienced Cutlers. Celebrated for Perfect Cutting Edges, Ease in Opening of Blades, Superior Finish and Symmetrical Appearance. Every Blade Sharpened and Honed Ready for Use, Free from Flaws and Imperfections. FULLY GUARANTEED

One Pearl Handles, Invisible Rivets, German Silver Lined Rolled Gold Bolsters and Shield Full nickel plated one Etched Blades, each with a

Per Dozen

No. 2DEG—Two Blades, One Large Spear and One Small Pen, Length 2½ inches, Weight per Dozen 10 ozs. $36.00



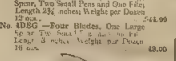
Per Dozen

No. 42DEG—Four Blades, One Large Spear, Two Small Pens and One File, Length 3¼ inches, Weight per Dozen 12 ozs. $48.00

No. 4DEG—Four Blades, One Large Spear, Two Small Pens and One File, Length 3 inches, Weight per Dozen 16 ozs. $42.00

Per Dozen

No. 2545—Oval Shield Shape Handle, French Grey Finish, Length 2¾ inches, One Large Spear, One Small Pen and One File, Polished Blades, Weight per Dozen 12 ozs. $27.00

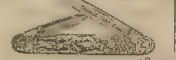


One Sterling Silver Handle, French Grey Finish, Length 3 inches, German Silver Lined, Full Coquin Polished Blades

Per Dozen

No. 2B—Two Blades, One Large Spear and One Small Pen, Weight per Dozen 7 ozs. $27.00

No. 3A—Four Blades, One Large Spear, Two Small Pens and One File, Weight per Dozen 9 ozs. $32.00



One Sterling Silver Handle, French Grey Finish, Length 3 inches, German Silver Lined, Full Coquin Polished Blades

Per Dozen

No. 22—Two Blades, One Large Spear and One Small Pen, Weight per Dozen 10 ozs. $37.00

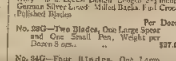
No. 27—Four Blades, One Large Spear, Two Small Pens and One File, Weight per Dozen 12 ozs. $46.00

One Sterling Silver Handle, French Grey Finish, Length 3 inches, German Silver Lined, Full Coquin Polished Blades

Per Dozen

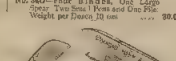
No. 2BG—Two Blades, One Large Spear and One Small Pen, Weight per Dozen 8 ozs. $27.00

No. 34G—Four Blades, One Large Spear, Two Small Pens and One File, Weight per Dozen 10 ozs. $30.00



Per Dozen

No. 541—Oval Shield Shape Handle, French Grey Finish, Length 3 inches, German Silver Lined, Full Coquin Polished Blades, Weight per Dozen 10 ozs. $44.00

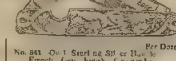


One Sterling Silver Handle, French Grey Finish, Length 3 inches, German Silver Lined, Full Coquin Polished Blades

Per Dozen

No. 2B36—Two Blades, One Large Spear and One Small Pen, Weight per Dozen 12 ozs. $30.00

No. 23B36—Four Blades, One Large Spear, Two Small Pens and One File, Weight per Dozen 12 ozs. $35.00



One Sterling Silver Handle, French Grey Finish, Length 3 inches, German Silver Lined, Full Coquin Polished Blades

Per Dozen

No. 2B46—Two Blades, One Large Spear and One Small Pen, Weight per Dozen 12 ozs. $33.00

No. 23B46—Four Blades, One Large Spear, Two Small Pens and One File, Weight per Dozen 14 ozs. $40.00

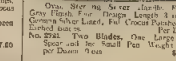
Half Dozens in a Box

One Sterling Silver Handle, French Grey Finish, Four Designs, Length 3 inches, German Silver Lined, Full Coquin Polished and Etched Blades

Per Dozen

No. 2BE—Two Blades, One Large Spear and One Small Pen, Weight per Dozen 8 ozs. $23.00

No. 4WBE—Four Blades, One Large Spear, Two Small Pens and One File, Weight per Dozen 14 ozs. 44.00

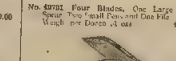


German Silver Handle, Mosaic Gem Finish, Four Designs, German Silver Lined, Full Coquin Polished and Etched Blades, Length 3 inches

Per Dozen

No. 4WBE—Empire $50.00

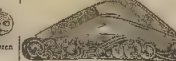
No. 4E2B4—Empire 50.00



German Silver Handle, Mosaic Gem Finish, Four Designs, German Silver Lined, Full Coquin Polished and Etched Blades, Length 3 inches

Per Dozen

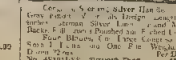
No. 4E2B4—Empire $50.00



German Silver Handle, Mosaic Gem Finish, Four Designs, German Silver Lined, Full Coquin Polished and Etched Blades, Length 3 inches

Per Dozen

No. 4E2B4—Empire $50.00



German Silver Handle, Mosaic Gem Finish, Four Designs, German Silver Lined, Full Coquin Polished and Etched Blades, Length 3 inches

Per Dozen

No. 4E2B4—Empire $50.00

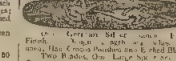
Oval Sterling Silver Handle, French Grey Finish, Length 3 inches, German Silver Lined, Full Coquin Polished Blades

Per Dozen

No. 2B46—Two Blades, One Large Spear and One Small Pen, Weight per Dozen 10 ozs. $33.00

No. 23B46—Four Blades, One Large Spear, Two Small Pens and One File, Weight per Dozen 14 ozs. 46.00

Half Dozens in a Box

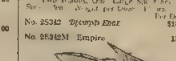


Oval Sterling Silver Handle, French Grey Finish, Four Designs, Length 3 inches, German Silver Lined, Full Coquin Polished and Etched Blades

Per Dozen

No. 2BE—Two Blades, One Large Spear and One Small Pen, Weight per Dozen 8 ozs. $23.00

No. 4WBE—Four Blades, One Large Spear, Two Small Pens and One File, Weight per Dozen 14 ozs. 44.00



Oval Sterling Silver Handle, French Grey Finish, Four Designs, Length 3 inches, German Silver Lined, Full Coquin Polished and Etched Blades

Per Dozen

No. 4WBE—Empire $50.00

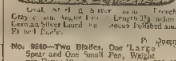
No. 4E2B4—Empire 50.00

Oval Sterling Silver Handle, French Grey Finish, Four Designs, Length 3 inches, German Silver Lined, Full Coquin Polished and Etched Blades

Per Dozen

No. 4WBE—Empire $50.00

No. 4E2B4—Empire 50.00



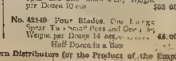
Oval Sterling Silver Handle, French Grey Finish, Length 3 inches, German Silver Lined, Full Coquin Polished Blades

Per Dozen

No. 2B46—Two Blades, One Large Spear and One Small Pen, Weight per Dozen 10 ozs. $33.00

No. 23B46—Four Blades, One Large Spear, Two Small Pens and One File, Weight per Dozen 14 ozs. 46.00

Half Dozens in a Box



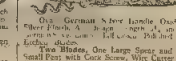
Oval Sterling Silver Handle, French Grey Finish, Length 3 inches, German Silver Lined, Full Coquin Polished Blades

Per Dozen

No. 2B46—Two Blades, One Large Spear and One Small Pen, Weight per Dozen 10 ozs. $33.00

No. 23B46—Four Blades, One Large Spear, Two Small Pens and One File, Weight per Dozen 14 ozs. 46.00

Half Dozens in a Box



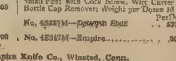
One Sterling Silver Handle, French Grey Finish, Length 3 inches, German Silver Lined, Full Coquin Polished Blades

Per Dozen

No. 2B46—Two Blades, One Large Spear and One Small Pen, Weight per Dozen 10 ozs. $33.00

No. 23B46—Four Blades, One Large Spear, Two Small Pens and One File, Weight per Dozen 14 ozs. 46.00

Half Dozens in a Box



One Sterling Silver Handle, French Grey Finish, Length 3 inches, German Silver Lined, Full Coquin Polished Blades

Per Dozen

No. 2B46—Two Blades, One Large Spear and One Small Pen, Weight per Dozen 10 ozs. $33.00

No. 23B46—Four Blades, One Large Spear, Two Small Pens and One File, Weight per Dozen 14 ozs. 46.00

Half Dozens in a Box

Exclusive Western and Southern Distributors for the Products of the Empire Knife Co., Winsted, Conn.

"DIAMOND EDGE IS A QUALITY PLEDGE"

POCKET KNIVES

*SHAPLEIGH HARDWARE COMPANY.

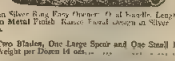
GERMAN IMPORTED FANCY PATTERNS

Finest Grade Hand Forged Steel Blades, Full Coquin Polished; Artistically Embossed Steel Handles; German Silver Milled Linings

German Silver Ring Fancy Chased Oval Handle, Length 3 inches; Black Gun Metal Finish, Raised Floral Design in Silver and Gold Colors.

Per Dozen

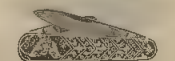
No. H1—Two Blades, One Large Spear and One Small Pen, Weight per Dozen 14 ozs. $48.00



Oval Tapered Handle, Length 2¾ inches, Blued Steel and Gold Background with Polished Steel Bands and Floral and Shell Design in Clury in Red, White and Blue on one side and Silver Eagle on the other.

Per Dozen

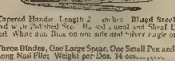
No. H4—Three Blades, One Large Spear, One Small Pen and One Long Nail File, Weight per Doz. 14 ozs. $63.00



Oval Handle, Length 3 inches, Black Gun Metal Finish, Raised Floral Design in Silver and Gold Finish.

Per Dozen

No. H3—Three Blades, One Large Spear, One Small Pen and One Long Nail File, Weight per Dozen 14 ozs. $60.00



Oval Handle, Length 3 inches, Black Gun Metal Finish, Raised Floral Design in Silver Finish.

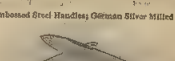
Per Dozen

No. H6—Three Blades, One Large Spear, One Small Pen and One File, Weight per Dozen 15 ozs. $64.00

Oval Tapered Handle, Length 3¼ inches, Blued Steel and Gold Background with Polished Steel Bands and Floral and Shell Design in Clury in Red, White and Blue on one side and Silver Eagle on the other.

Per Dozen

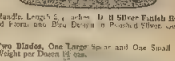
No. H5—Three Blades and Scissors, One Large Spear, One Small Pen and One Long Nail File, Weight per Dozen 20 ozs. $72.00



Oval Handle, Length 3 inches, Gold Background with Blued Steel Tracery, Silver Bird Design, Raised Polished Steel Border.

Per Dozen

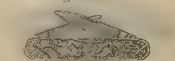
No. H7—Three Blades, One Large Spear, One Small Pen and One Long Nail File, Weight per Dozen 9 ozs. $54.00



Oval Handle, Length 3 inches, Gold Background with Blued Steel Tracery, Silver Bird Design, Raised Polished Steel Border.

Per Dozen

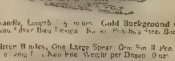
No. H8—Three Blades, One Large Spear, One Small Pen and One Long Nail File, Weight per Dozen 9 ozs. $54.00



Oval Handle, Length 3 inches, Gold Background with Raised Floral and Scroll Design in Blue, Silver and Red Colors. Clury, in Red, White and Blue on one side, Silver Eagle on the other.

Per Dozen

No. H13—Four Blades, One Narrow Congress, Two Pens and One File, Weight per Dozen 14 ozs. $57.00



Oval Handle, Length 3 inches, Gold Background with Raised Floral and Scroll Design in Blue, Silver and Red Colors. Clury, in Red, White and Blue on one side, Eagle on the other.

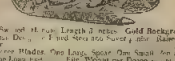
Per Dozen

No. H15—Four Blades, One Large Spear and One Small Pen, Weight per Dozen 14 ozs. $36.00

Oval Handle, Length 3 inches, Gold Background with Blued Steel Tracery, Silver Bird Design, Raised Polished Steel Border.

Per Dozen

No. H17—Three Blades, One Large Spear, One Small Pen and One Long Nail File, Weight per Dozen 9 ozs. $54.00



Oval Handle, Length 3 inches, Gold Background with Raised Floral Design, Blued Steel and Silver Finish, Raised Polished Steel Border.

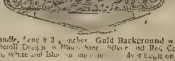
Per Dozen

No. H16—Three Blades, One Large Spear, One Small Pen and One Long Nail File, Weight per Dozen 14 ozs. $48.00

Oval Handle, Length 3 inches, Gold Background with Raised Floral Design, Blued Steel and Silver Finish, Raised Polished Steel Border.

Per Dozen

No. H16—Three Blades, One Large Spear, One Small Pen and One Long Nail File, Weight per Dozen 14 ozs. $48.00



Heavy Oval Handle, Length 3 inches, Gold Background with Raised Floral Design, Blued Steel and Silver Finish and Silver Leaves, Raised Polished Steel Border.

Per Dozen

No. H18—Two Blades with Cork Screw and Wire Cutter, One Large Spear Blade and One Small Pen Blade, Weight per Dozen 15½ lbs. $50.00

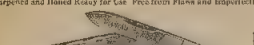
Quarter Dozen in a Box, One Dozen in a Package

POCKET KNIVES

*DIAMOND EDGE FANCY PATTERNS

2K SOLID GOLD HANDLES WITH GOLD GOLD SHACKLES

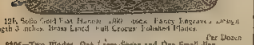
Forged from the Highest Grade Sheffield Steel; Carefully Hardened and Perfectly Tempered by the Most Skilled and Experienced Cutlers. Celebrated for Perfect Cutting Edges, Ease in Opening of Blades, Superior Finish and Symmetrical Appearance. Every Blade Sharpened and Honed Ready for Use. Free from Flaws and Imperfections. Fully Guaranteed.



12K Solid Gold Flat Handles, 1/20 Stock, Fancy Engraved Design, Length 3 inches, Brass Lined, Full Crocus Polished Blades.

Per Dozen

No. 8896—Two Blades, One Large Spear and One Small Pen. Weight per Dozen 10 oz. $36.00



12K Solid Gold Flat Handles, 1/20 Stock, Fancy Engraved Design, Length 3¼ inches, German Silver Lined, Full Crocus Polished Blades.

Per Dozen

No. 8836OE—Two Blades, One Large Spear and One Small Pen. Weight per Dozen 12 oz. $54.00

12K Solid Gold Flat Handles, 1/20 Stock, Fancy Engraved Design, Length 3¼ inches, German Silver Lined, Full Crocus Polished Blades.

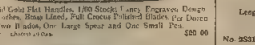
Per Dozen

No. 8 28—Three Blades, One Large Spear, One Small Pen and One Nail File. Weight per Dozen 18 oz. $66.00

12K Solid Gold Flat Handles, 1/20 Stock, Fancy Engraved Design, Length 3¼ inches, Brass Lined, Full Crocus Polished Blades. Weight per Dozen 10 oz.

Per Dozen

No. 8896—Two Blades, One Large Spear and One Small Pen. $36.00



12K Solid Gold Flat Handles, 1/20 Stock, Fancy Engraved Design, Length 3¼ inches, German Silver Lined, Full Crocus Polished Blades.

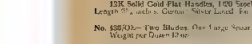
Per Dozen

No. 883 OE—Three Blades, One Large Spear, One Small Pen and One File. Weight per Dozen 12 oz. $60.00

12K Solid Gold Fine Handles, 1/20 Stock, Satin Finish with Beveled Edges, Length 3¼ inches, German Silver Lined, Full Crocus Polished Blades.

Per Dozen

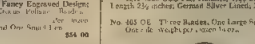
No. 8 8—Three Blades, One Large Spear, One Small Pen and One Nail File. Weight per Dozen 18 oz. $66.00



2K Solid Gold Oval Handles, 1/20 Stock, Satin Finish, Fancy Engraved Design, Length 2¾ inches, German Silver Lined, Full Crocus Polished Blades.

Per Dozen

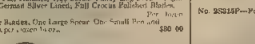
No. 1347—Two Blades, One Large Spear and One Nail File. Weight per Dozen 12 oz. $48.00



12K Solid Gold Oval Handles, 1/20 Stock, Satin Finish, Fancy Engraved Design, Length 2¾ inches, German Silver Lined, Full Crocus Polished Blades.

Per Dozen

No. 29 Two Blades, One Large Spear and One Small File. Weight per Dozen 12 oz. $36.00



14K Solid Gold Oval Handles, 1/20 Stock, Fancy Engraved Design, Length 2¾ inches, German Silver Lined, Full Crocus Polished Blades.

Per Dozen

No. 1 74—Two Blades, One Large Spear and One Nail File. Weight per Dozen 12 oz. $60.00

12K Solid Gold Oval Handles, 1/20 Stock, Bright Finish, Fancy Engraved Design, Length 2¾ inches, German Silver Lined, Full Crocus Polished Blades.

Per Dozen

No. 1 27G—Two Blades, One Large Spear and One Nail File. Weight per Dozen 12 oz. $70.00

14K Solid Gold Oval Handles, 1/20 Stock, Bright Finish, Fancy Engraved Design, Length 2¾ inches, German Silver Lined, Full Crocus Polished Blades.

Per Dozen

No. 1 07—Two Blades, One Large Spear and One Nail File. Weight per Dozen 12 oz. $60.00

12K Solid Gold Oval Handles, 1/20 Stock, Bright Finish, Fancy Engraved Design, Length 2¾ inches, German Silver Lined, Full Crocus Polished Blades. Per Dozen

No. 0 30—Two Blades, One Large Spear and One Nail File. Weight per Dozen 12 oz. $60.00

POCKET KNIFE ASSORTMENTS

		Per Assortment
No. 12GVA	12K Sol d Gold Handles, Twelve Dozen Each o Above in Genuine Stitched and Wax Case Inside on Tan Leather Covers	$36.00
No. 12TL—Cases Only, Green Plushed Lined to Hold Twelve Pen Knives, Inside on Tan Leather Cover. Weight Pounds		Each $1.40
No. 6TL—Cases Only, as above to Hold Six Pocket Knives as above		1.00
No. 3TL—Cases Only, as above to Hold Three Pocket Knives as above		.60

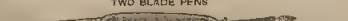
"DIAMOND EDGE IS A QUALITY PLEDGE"

POCKET KNIVES

EMPIRE

Forged from Best Pocket Cutlery Steel Known. Thomas Firth & Sons, Sheffield, England, Carefully Hardened and Perfectly Tempered by the Most Skilled and Experienced Cutlers. Celebrated for Perfect Cutting Edges, Ease on Opening of Blades, Superior Finish and Symmetrical Appearance. Every Blade Sharpened and Honed Ready for Use, Free from Flaws and Imperfections. FULLY GUARANTEED.

TWO BLADE PENS

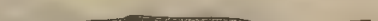


Length 2¾ inches. Uncapped. One Small Pen and One File Blade, Full Crocus Polished. German Silver Lining. Weight per Dozen 8 oz.

*DIAMOND EDGE	Per Dozen	*EMPIRE	Per Dozen
No. 2S316P—Pearl Handle	$10.00	No. 2E316P—Pearl Handle	$12.00

Length 3½ inches. Uncapped. One Small Pen and One File Blade, Full Crocus Polished, German Silver Lining. Weight per Dozen 10 oz.

*DIAMOND EDGE	Per Dozen	*EMPIRE	Per Dozen
No. 2S315P—Pearl Handle	$12.00	No. 2E315P—Pearl Handle	$15.00



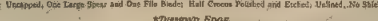
Length 3 inches. German Silver Capped. One Large Spear and One File Blade, Full Crocus Polished and Etched. German Silver Lining. German Silver Shield. Weight per Dozen 14 oz.

*DIAMOND EDGE	Per Dozen	*EMPIRE	Per Dozen
No. 2S318ST—Patent Stag Handle	$14.00	No. 2E318ST—Patent Stag Handle	$16.00
No. 2S318T—Tortoise Shell Handle	16.00	No. 2E318T—Tortoise Shell Handle	18.00
No. 2S318P—Pearl Handle	27.00	No. 2E318P—Pearl Handle	27.00

Length 3 inches. Uncapped. One Large Spear and One File Blade. Half Crocus Polished and Etched, Unlined. No Shield. Weight per Dozen 12 oz.

*DIAMOND EDGE

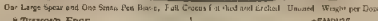
	Per Dozen
No. 2S312G—German Silver Handle	$12.00



Length 3 inches. One Large Spear and One Small Pen Blade, Full Crocus Polished and Etched. Unlined. Weight per Dozen 8 oz.

*DIAMOND EDGE	Per Dozen	*EMPIRE	Per Dozen
No. 2S18G—German Silver Handle	$8.00	No. 2E18G—German Silver Handle	$9.00

Half Dozen in a Box



Length 3 inches, One Large Spear Blade and One Large Flexible Nail File Blade, Full Crocus Polished and Etched, Unlined, Weight per Doz. 10 ozs.

"ORIGINATED BY US"

*DIAMOND EDGE	Per Dozen	*EMPIRE	Per Dozen
No. 2S13GF—German Silver Handle	$12.00	No. 2E13GF—German Silver Handle	$10.00

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POCKET KNIVES

EMPIRE

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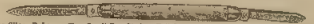
TWO BLADE PENS

Length 2¾ inches; German Silver Bolsters; Two Small Pen Blades; Half Crocus Polished and Etched; Brass Lining; Weight per Dozen 6 ozs.

*DIAMOND EDGE	Per Dozen	*EMPIRE	Per Dozen
No. 2S276P—Pearl Handle	$13.00	No. 2E276P—Pearl Handle	$18.00

Length 2¾ inches; German Silver Bolsters; Two Small Pen Blades; Half Crocus Polished and Etched; Brass Lining; Weight per Dozen 7 ozs.

*DIAMOND EDGE	Per Dozen	*EMPIRE	Per Dozen
No. 2S271P—Pearl Handle	$14 00	No. 2E271P—Pearl Handle	$14 00



Length 2¾ inches; German Silver Bolsters; Two Small Pen Blades; Full Crocus Polished; Brass Lining; Weight per Dozen 7 ozs.

*DIAMOND EDGE	Per Dozen	*EMPIRE	Per Dozen
No. 2S263P—Pearl Handle	$13.00	No. 2E263P—Pearl Handle	$13 00

Length 2¾ inches; German Silver Bolsters; One Large Spear and One Small Pen Blade, Half Crocus Polished and Honed; Brass Lining; Weight per Dozen 10 ozs.

*DIAMOND EDGE	Per Dozen	*EMP RE	Per Dozen
No. 2S234P—Pearl Handle	$12 00	No. 2E234P Pearl Handle	$12 00

Length 2¾ inches; German Silver Bolsters; Two Small Pen Blades, Glazed; Iron Lining; Weight per Dozen 8 ozs.

*DIAMOND EDGE

No. 2S176P—Pearl Handle — Per Dozen $12 00

*DIAMOND EDGE

Length 2¾ inches; German Silver Bolsters; One Large Spear and One Small Pen Blade; Half Crocus Polished and Etched; Brass Lining; Weight per Dozen 9 ozs.

No. 2S276P—Pearl Handle — Per Dozen $14 00

*DIAMOND EDGE

Length 2¾ inches; German Silver Bolsters; One Large Spear and One Small File Blade, Half Crocus Polished and Etched; Brass Lining; Weight per Dozen 10 ozs.

No. 2S267P—Pearl Handle — Per Dozen $11 00

Length 2¾ inches; German Silver Bolsters; One Large Spear and One Small Pen Blades Half Crocus Polished and Etched; Brass Lining; Weight per Dozen 10 ozs.

*DIAMOND EDGE

No. 2S273P—Pearl Handle	Per Dozen $18.00	*EMPIRE No. 2E273P—Pearl Handle	Per Dozen $18 00

Half Dozen in a Box

Exclusive Western and Southern Distributors for the Product of the Empire Knife Co., Winsted, Conn.

POCKET KNIVES

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TWO BLADE PENS

Length 2¾ inches, Oval Pattern; One Large Pen and One Small Pen Blade; German Silver Bolsters; Brass Lining; Half Polished Blades; Weight per Dozen 9 ozs.

*DIAMOND EDGE

No. 2S161ST—Patent Stag Handle — Per Dozen $8 00

Length 2¾ inches Boot or Sequoia Pattern, One Large Pen Blade and One Long File on Back; German Silver Bolsters, Brass Lining, Glazed and Etched Blade; Weight per Dozen 9 ozs.

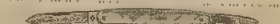
*DIAMOND EDGE

No. 2S158ST—Patent Stag Handle — Per Dozen $8 00

Length 2¾ inches Sleeveboard Pattern, One Large Pen Blade and One Long File on Back; German Silver Bolsters, Brass Lining; Half Polished and Etched Blade, Weight per Dozen 11 ozs.

*DIAMOND EDGE

No. 2S260ST—Patent Stag Handle — Per Dozen $10 00



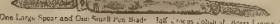
Length 2¾ inches, Unequal Two Small Pen Blades Full Crocus Polished Brass Lining Weight per Dozen 8 ozs.

*DIAMOND EDGE

No. 2S264P—Pearl Handle — Per Dozen $12 00

*EMPIRE

No. 2E264P—Pearl Handle — Per Dozen $12 00



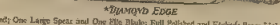
Length 2¾ inches; Unequal, One Large Spear and One Small Pen Blade Half Crocus Polished Brass Lining Weight per Dozen 7 ozs.

*DIAMOND EDGE

No. 2S272P—Pearl Handle — Per Dozen $13 00

*EMPIRE

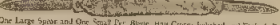
No. 2E272P Pearl Handle — Per Dozen $13 00



*DIAMOND EDGE

Length 2¾ inches; Unequal; One Large Spear and One File Blade; Full Polished and Etched; Brass Lining; Weight per Dozen 8 ozs.

No. 2S269P—Pearl Handle — Per Dozen $12 00



Length 2¾ inches, Unequal One Large Spear and One Small Pen Blade; Full Crocus Polished and Etched, Brass Lining, Weight per Dozen 8 ozs.

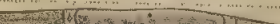
*DIAMOND EDGE

No. 2S267P—Pearl Handle — Per Dozen $10 00

*DIAMOND EDGE

Length 2¾ inches; Unequal; One Large Spear and One Small Pen Blade; Half Crocus Polished and Etched, Brass Lining; Weight per Dozen 9 ozs.

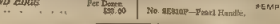
No. 2S266P—Pearl Handle — Per Dozen $12 00



Length 3 inches; Unequal; One Large Spear and One Small Pen Blade, Half Crocus Polished and Etched, Brass Lining; Weight per Dozen 10 ozs.

*DIAMOND EDGE

No. 2S310P—Pearl Handle	Per Dozen $20.00	*EMP RE No. 2E310P—Pearl Handle	Per Dozen $20 00



Length 3 inches, Unequal, One Large Spear and One Small Pen Blade Full Crocus Polished Brass Etched, Brass Lining Weight per Dozen 9 ozs.

*DIAMOND EDGE

No. 2S334P—Pearl Handle — Per Dozen $12 00

*EMP RE

No. 2E334P—Pearl Handle — Per Dozen $12 00

Half Dozen in a Box

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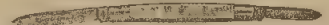
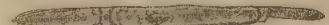
TWO BLADE PENS



Length 2¼ inches; German Silver Bolsters, One Large Spear and One Small Pen Blade; Plated Brass Lining. Weight per Dozen 8 ozs.

*DIAMOND EDGE	Per Dozen	*EMPIRE	Per Dozen
No. 2S412ST —Patent Stag Handle	$8.00	No. 2E408ST—Patent Stag Handle	$9.00



Length 3 inches; Unscaped, One Large Spear and One Small Pen Blade; Half Crocus Polished and Etched; German Silver Lining, German Silver Shield; Weight per Dozen 10 ozs.

*DIAMOND EDGE

	Per Dozen
No. 2S32P—Pearl Handle	$28.00

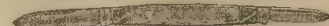
Length 3 inches; German Silver Bolsters; One Large Spear and One Small Pen Blade; Half Crocus Polished and Etched; Brass Lining, German Silver Shield; Weight per Dozen 10 ozs.

*DIAMOND EDGE	Per Dozen	*EMPIRE	Per Dozen
No. 2S32ST —Patent Stag Handle	$8.00	No. 2E32ST Patent Stag Handle	$8 00
No. 2S32SST—Patent Stag Handle	8 00	No. 2E32ST Tortoise Shell Handle	8 00
No. 2S32ST —Tortoise Shell Handle	8 00	No. 2E32P Pearl Handle	12 00
No. 2S32P —Pearl Handle	16 00		

*DIAMOND EDGE

Length 3 inches; German Silver Tipped, One Large Spear and One File Blade; Half Crocus Polished and Etched; Brass Linings; Weight per Dozen 11 ozs.

	Per Dozen
No. 2S32P—Pearl Handle	$12 00



Length 3 inches; German Silver Bolsters, One Large Spear and One Small Pen Blade; Half Crocus Polished and Etched; Brass Lining; Weight per Dozen 12 ozs.

*DIAMOND EDGE	Per Dozen	*EMPIRE	Per Dozen
No. 2S37P —Pearl Handle	$13 00	No. 2E37P—Pearl Handle	$13 00

Length 3 inches; German Silver Bolsters, One Large Spear and One Small Pen Blade; Half Crocus Polished and Etched, Brass Lining, German Silver Shield; Weight per Dozen 6 ozs.

*DIAMOND EDGE	Per Dozen	*EMPIRE	Per Dozen
No. 2S31E —Ebony Handle	$8 00	No. 2E31E—Ebony Handle	$8.00
No. 2S31ST Patent Stag Handle	8 00	No. 2E31ST Patent Stag Handle	8 00
No. 2S31P —Pearl Handle	16.00	No. 2E31P Pearl Handle	16.00

Half Dozen in a Box

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TWO BLADE PENS

Length 3 inches, German Silver Tipped, One Large Spear and One Small Pen Blade Half Crocus Polished and Etched; Brass Lining, German Silver Shield; Weight per Dozen 9 ozs

*DIAMOND EDGE	Per Dozen	*EMPIRE	Per Dozen
No. 2S32E —Ebony Handle	$8.00	No. 2E32E Ebony Handle	$8 00
No. 2S32ST—Patent Stag Handle	9.00	No. 2E32ST -Patent Stag Handle	9.00

Length 3 inches; Polished Steel Bar Tail Bolsters; One Large Wharncliffe and One Small Pen Blade; Half Crocus Polished and Etched; Brass Linings; German Silver Shield; Weight per Dozen 10 ozs.

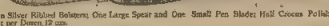
*DIAMOND EDGE	Per Dozen	*EMPIRE	Per Dozen
No. 2S32ST Patent Stag Handle	$8.00	No. 2E32ST—Patent Stag Handle	$8 00
No. 2S32P —Pearl Handle	30.00	No. 2E32P —Pearl Handle	30 00

Length 3¼ inches, Polished Steel Bar Tail Bolsters; One Large Wharncliffe and One Small Pen Blade Half Crocus Polished and Etched, Brass Lining, German Silver Shield; Weight per Dozen 10 ozs.

*DIAMOND EDGE	Per Dozen	*EMPIRE	Per Dozen
No. 2S126GST—Genuine Stag Handle	$15 00	No. 2E126GST Genuine Stag Handle	$15 00
No. 2S126P Pearl Handle	24 00	No. 2E126P Pearl Handle	24.00

Length 3 inches; German Silver Bolsters; One Large Spear and One Small Pen Blade; Half Crocus Polished and Etched; Brass Lining, German Silver Shield; Weight per Dozen 12 ozs

*DIAMOND EDGE	Per Dozen	*EMPIRE	Per Dozen
No. 2S32ST—Patent Stag Handle	$9 00	No. 2E32ST—Patent Stag Handle	$9 00
No. 2S32P —Pearl Handle	18.00	No. 2E32P Pearl Handle	18.00



Length 3 inches; German Silver Ribbed Bolsters; One Large Spear and One Small Pen Blade; Half Crocus Polished and Etched, Brass Lining, German Silver Shield Weight per Dozen, 12 ozs.

*DIAMOND EDGE	Per Dozen	*EMPIRE	Per Dozen
No. 2S241ST —Patent Stag Handle	$8 00	No. 2E241ST —Patent Stag Handle	$8.00
No. 2S241GST—Genuine Stag Handle	12 00	No. 2E241GST—Genuine Stag Handle	12 00
No. 2S241T —Tortoise Shell Handle	12 00	No. 2E241T —Tortoise Shell Handle	12 00
No. 2S241P Pearl Handle	20 00	No. 2E241P Pearl Handle	20 00

Length 3¼ inches; German Silver Capped, One Large Spear and One Small Pen Blade Half Crocus Polished and Etched, Brass Linings German Silver Shield; Weight per Dozen 13 ozs.

*DIAMOND EDGE	Per Dozen	*EMPIRE	Per Dozen
No. 2S126ST —Patent Stag Handle	$10 00	No. 2E126ST —Patent Stag Handle	$10 00
No. 2S126GST—Genuine Stag Handle	12 00	No. 2E126GST Genuine Stag Handle	12 00
No. 2S126P —Pearl Handle	22.00	No. 2E126P —Pearl Handle	22.00

Half Dozen in a Box

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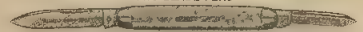
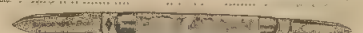
TWO BLADE PENS



*DIAMOND EDGE

Length 3¼ inches, German Silver Bolsters; One Large Spear and One Small Pen Blade; Half Crocus Polished and Etched; Brass Lining; German Silver Shield. Weight per Dozen 14 ozs.

		Per Dozen
No. 2S277P	—Pearl Handle	$15 00



*DIAMOND EDGE

Length 3¼ inches, German Silver Bolsters; One Large Spear and One Small Pen Blade; Half Crocus Polished and Etched; Brass Lining, German Silver Shield. Weight per Dozen 14 ozs.

		Per Dozen
No. 2S279P	—Pearl Handle	$18.00

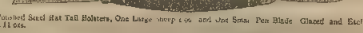
*DIAMOND EDGE

Length 3¼ inches, Polished Stag Bone Tip Jointers; One Large Spear and One Small Pen Blade; Glazed and Etched Brass Lining; No Shield. Weight per Dozen 10 ozs.

*DIAMOND EDGE		Per Dozen	*EMPIRE		Per Dozen
No. 2S08½ST	—Patent Stag Handle	$7 00	No. 2S08½ST	—Patent Stag Handle	$7 50
No. 2S08½GST	—Genuine Stag Handle	8 50	No. 2S08½GST	—Genuine Stag Handle	9 50
No. 2S08½P	—Pearl Handle	17 00	No. 2S08½P	—Pearl Handle	17 00
No. 2S08½G	—German Silver Handle	6 00	No. 2S08½G	—German Silver Handle	6 00

Length 3¼ inches, Pointed Sand Hat Tail Bolsters, One Large Sheep Foot and One Small Pen Blade Glazed and Etched; Brass Lining No Shield. Weight per Dozen 11 ozs.

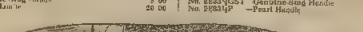
*DIAMOND EDGE		Per Dozen	*EMPIRE		Per Dozen
No. 2S384½ST	—Patent Stag Handle	$8 00	No. 2S384½ST	—Patent Stag Handle	$8 00
No. 2S384½GST	Genuine Stag Handle	9 00	No. 2S384½GST	Genuine Stag Handle	9 00
No. 2S384½P	—Pearl Handle	20 00	No. 2S384½P	—Pearl Handle	20 00



*DIAMOND EDGE

Length 3¼ inches, German Silver Tipped and Lined Bolsters; One Large Wharncliffe and One Small Pen Blade; Half Crocus Polished and Etched; Brass Lining, German Silver Shield. Weight per Dozen 11 ozs.

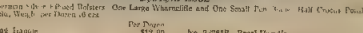
		Per Dozen			Per Dozen
No. 2S286ST	Patent Stag Handle	$12 00	No. 2S286P	Pearl Handle	$34 00



*DIAMOND EDGE

Pyralin Handles; Length 3 inches; Patent Clamped Handle; German Silver Lining. One Large Pen Blade and One Flexible File. Half Polished and Etched. Weight per Dozen 10 ozs.

		Per Dozen
No. 2S300YBK	Black and White Striped Handle	$18.00
No. 2S300YBN	Black and Gray Striped Handle	12 00
No. 2S300DPF	—Gray Pearl Handle	13.00
No. 2S300CMF	—Brown and White Mottled Handle,	13.00
	Same as above, except with One Large Pen and One Small Pen Blade.	
No. 2S300BK	—Silver Clouded Prussian Blue Handle,	Per Dozen $12 00
No. 2S300TB	—Turquoise Blue Handle	12.00
No. 2S300J	Golden Pearl Handle	12.00
No. 2S300SBC	—Red and Black Striped Handle	12.00



*DIAMOND EDGE

Length 3 inches; no Bolsters or Tips; Steel Lining; One Large Pen and One Small Pen Blade; Plain Ground Blades, Weight per Dozen 20 ozs.

		Per Dozen
No. 2S026½	—German Silver Handle,	$4.00
No. 2S027½	—Black Fiberloid Handle,	4.00
No. 2S25½G	Gray Pyralin Handle	4.00
No. 2S025ST	Patent Stag Handle	4.00

Half Dozen in a Box

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TWO BLADE PENS

*DIAMOND EDGE

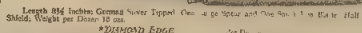
Length 3¼ inches, Unequal, One Large Spear and One Small Pen Blade; Half Crocus Polished and Etched; Brass Lining; No Shield. Weight per Dozen 10 ozs.

		Per Dozen			Per Dozen
No. 2S385ST	—Patent Stag Handle	$7 50			
No. 2S386GST	Genuine Stag Handle	10 00	No. 2E385T	Patent Stag Handle	$7 50
No. 2S386W	White Bone Handle	5 00	No. 2E385GST	Genuine Stag Handle	10 00
No. 2S386P	—Pearl Handle	20 00	No. 2E385W	—White Bone Handle	5 00
No. 2S386D	—Gray Pearl, Pyralin Handle	9 00	No. 2E385P	Pearl Handle	20 00

*DIAMOND EDGE

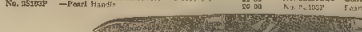
Length 3¼ inches; German Silver Tipped, One Large Spear and One Small Pen Blade; Half Crocus Polished and Etched; Brass Lining; No Shield; Weight per Dozen 10 ozs.

*DIAMOND EDGE		Per Dozen	*EMPIRE		Per Dozen
No. 2S108ST	—Patent Stag Handle	$8 00			
No. 2S108GST	Genuine Stag Handle	11 70			
No. 2S108W	White Bone Handle	5 00	No. 2E108ST	—Patent Stag Handle	$8 00
No. 2S108T	—Tortoise Shell Handle,	11 00	No. 2E108GST	Genuine Stag Handle	11 70
No. 2S108P	—Pearl Handle	20 00	No. 2E108P	Pearl Handle	20 00



Length 3¼ inches, German Silver Ribbed Bolsters; One Large Spear and One Small Pen Blade; Half Crocus Polished and Etched; Brass Lining, German Silver Shield. Weight per Dozen 11 ozs.

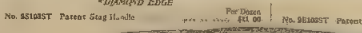
*DIAMOND EDGE		Per Dozen	*EMPIRE		Per Dozen
No. 2S103ST	Patent Stag Handle	$11 00	No. 2E103ST	Patent Stag Handle	$11 00



*DIAMOND EDGE

Length 3 inches, Oval Pattern, Serpent Inlaid German Silver Tipped, One Large Pen and One Small Pen Blade, Brass Lining; Pearl or Red Stag Handle. Weight per Dozen 11 ozs.

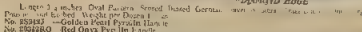
		Per Dozen
No. 2S281J	—Golden Pearl Pyralin Handle	$15.00
No. 2S282RO	Red Onyx Pyralin Handle	14.00



Length 3¼ inches; German Silver Tipped, One Large Spear and One Small Pen Blade; Half Crocus Polished and Etched; Brass Lining; German Silver Shield, Weight per Dozen 9 ozs.

*DIAMOND EDGE

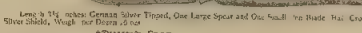
		Per Dozen	*EMPIRE		Per Dozen
No. 2S266ST	Patent Stag Handle	$10 00	No. 2E266ST	Patent Stag Handle	$12 00
No. 2S267P	—Pearl Handle	16 00	No. 2E267P	Pearl Handle	20 00



Length 3½ inches; German Silver Bolsters; One Large Clip and One Small Pen Blade; Half Crocus Polished and Etched; Brass Lining; German Silver Shield. Weight per Dozen 10 ozs.

*DIAMOND EDGE

		Per Dozen	*EMPIRE		Per Dozen
No. 2S383½ST	—Patent Stag Handle	$10.00	No. 2E383½ST	Patent Stag Handle	$12 00
No. 2S383½P	Pearl Handle	20 00	No. 2E383½P	Pearl Handle	24 00



Length 3½ inches; German Silver Bolsters, One Large Clip and One Small Pen Blade; Half Crocus Polished and Etched; Brass Lining; German Silver Shield. Weight per Dozen 12 ozs.

*DIAMOND EDGE

		Per Dozen	*EMPIRE		Per Dozen
No. 2S69½B	Buffalo Horn Handle	$12 00	No. 2E69½B	Buffalo Horn Handle	$12 00
No. 2S69½ST	Patent Stag Handle	12 00	No. 2E69½ST	Patent Stag Handle	12 00
No. 2S69½GST	Genuine Stag Handle	13 00	No. 2E69½GST	Genuine Stag Handle	13 00
No. 2S69½P	—Pearl Handle	20 00	No. 2E69½P	Pearl Handle	20 00

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TWO BLADE PENS

Length 3½ inches, German Silver Bolsters, One Large Spear and One Small Pen Blade, Half Coeus Polished and Etched, Brass Lining, German Silver Shield, Weight per Dozen 14 ozs.

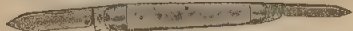
*DIAMOND EDGE	Per Dozen	*EMPIRE	Per Dozen
No. 8S203—Cocobolo Handle	$8 00		
No. 8S203ST—Patent Stag Handle	9 60	No. 8E203ST—Patent Stag Handle	$9 00

Length 3¾ inches, German Silver Bolsters, One Large Spear and One Small Pen Blade, Half Coeus Polished and Etched Brass Lining, German Silver Shield, Weight per Dozen 14 ozs.

*DIAMOND EDGE	Per Dozen	*EMPIRE	Per Dozen
No. 8S202—Cocobolo Handle	$8 00		
No. 8S202X—Ebony Handle	8 00	No. 8E202ST—Patent Stag Handle	$9 00
No. 8S202ST—Patent Stag Handle	9 60		

Length 3¾ inches, German Silver Bolsters, One Large Clip and One Small Pen Blade, Half Coeus Polished and Etched Brass Lining, German Silver Shield, Weight per Dozen 14 ozs.

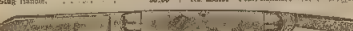
*DIAMOND EDGE	Per Dozen	*EMPIRE	Per Dozen
No. 8S207S—Buffalo Horn Handle	$12 00	No. 8E207ST—Buffalo Horn Handle	$12 00
No. 8S203ST—Patent Stag Handle	11 00	No. 8E203ST—Patent Stag Handle	11 00
No. 8S203P—Pearl Handle	24 00	No. 8E203P—Pearl Handle	24 00



*DIAMOND EDGE

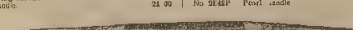
Length 3¾ inches, German Silver Bolsters. One Large Spear and One Small Pen Blade, Half Coeus Polished and Etched, Brass Lining, No Shield, Weight per Dozen 10 ozs.

Per Dozen		Per Dozen
No. 8S206ST—Patent Stag Handle	$6.00	No. 8S206P—Pearl Handle	$25 00



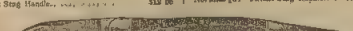
Length 3½ inches, German Silver Bolsters. One Large Spear and One Small Pen Blade, Half Coeus Polished and Etched, Brass Lining, German Silver Shield, Weight per Dozen 10 ozs.

*DIAMOND EDGE	Per Dozen	*EMPIRE	Per Dozen
No. 8S48ST—Patent Stag Handle	$11 00	No. 8E48ST Patent Stag Handle	$11 00
No. 8S48P—Pearl Handle	21 00	No. 8E48P Pearl Handle	21 00



Length 3½ inches, German Silver Bolsters, One Large Clip and One Large Spear Blade, Half Coeus Polished and Etched, Brass Lining, German Silver Shield, Weight per Dozen 8 ozs.

*DIAMOND EDGE	Per Dozen	*EMPIRE	Per Dozen
No. 8S46½ST—Patent Stag Handle	$13 00	No. 8E46½ST—Patent Stag Handle	$15 00



Length 3½ inches, German Silver Bolsters, One Large Clip and One Small Pen Blade, Half Coeus Polished and Etched, Brass Lining, German Silver Shield, Weight per Dozen 8 ozs.

*DIAMOND EDGE	Per Dozen	*EMPIRE	Per Dozen
No. 8S46GST—Genuine Stag Handle	$16 80	No. 8E46GST—Genuine Stag Handle	$18 00

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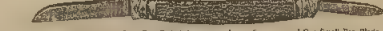
TWO BLADE PENS

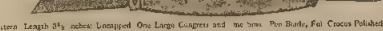
Congress Pattern, Length 3½ inches. Polished Steel Rat Tail Bolsters, One Large Congress and One Small Pen Blade, Half Crocus Polished and Etched, Iron Lining, Weight per Dozen 14 ozs.

*DIAMOND EDGE	Per Dozen	*EMPIRE	Per Dozen
No. 8S104ST Patent Stag Handle	$6.00	No. 8E104ST Patent Stag Handle	$8 00



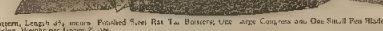
Congress Pattern, Length 3½ inches, Polished Steel Rat Tail Bolsters, One Large Congress and One Small Pen Blade, Coarse and Etched, Brass Lining, Weight per Dozen 15 ozs.

*DIAMOND EDGE	Per Dozen	*EMPIRE	Per Dozen
No. 8S221½ST Patent Stag Handle	$6.00	No. 8E221½ST—Patent Stag Handle	$8.00



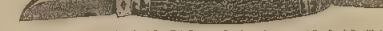
Congress Pattern Length 3½ inches Unstapped One Large Congress and One Small Pen Blade, Full Crocus Polished and Etched Brass Lining Weight per Dozen 13 ozs.

*DIAMOND EDGE	Per Dozen	*EMPIRE	Per Dozen
No. 8S335½P—Pearl Handle	$30 00	No. 8E335½P Pearl Handle	$36 00



Congress Pattern, Length 3½ inches Polished Steel Rat Tail Bolsters, One Large Congress and One Small Pen Blade, Half Crocus Polished and Etched, Brass Lining, Weight per Dozen 2 ozs.

*DIAMOND EDGE	Per Dozen	*EMPIRE	Per Dozen
No. 8S223½ST—Patent Stag Handle	$6 00	No. 8E223½ST Patent Stag Handle	$8 00



Congress Pattern, Length 3½ inches, Polished Steel Rat Tail Bolsters, One Large Congress and One Small Pen Blade Half Crocus Polished and Etched, Brass Lining, Weight per Dozen 22 ozs.

*DIAMOND EDGE	Per Dozen	*EMPIRE	Per Dozen
No. 8S75½ST Patent Stag Handle	$10.00	No. 8E75½ST—Patent Stag Handle	$10 00

Congress Pattern Length 4 inches. Polished Steel Rat Tail Bolsters, One Large Congress and One Small Pen Blade, Half Crocus Polished and Etched, Brass Lining, Weight per Dozen 18½ ozs.

*DIAMOND EDGE	Per Dozen	*EMPIRE	Per Dozen
No. 8S320½ST Patent Stag Handle	$10 50	No. 8E320½ST— Patent Stag Handle	$12 50

Office Knife, Length 3¾ inches Unstapped, One Large Spear and One Large Eraser Blade, Half Crocus Polished and Etched Brass Lining Weight per Dozen 18 ozs.

*DIAMOND EDGE	Per Dozen	*EMPIRE	Per Dozen
No. 8S27W—Ivory Finish Celluloid Handle	$13.00	No. 8E27W—Ivory Finish Celluloid Handle	$14 00

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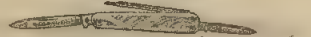
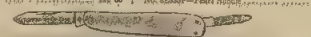
THREE BLADE PENS



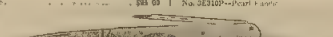
Length 3¼ inches, Unstapped, One Large Spear, One Small Pen and One Long Nail File Blades, Full Coeus Polished; German Silver Linings. Weight per Dozen 9 ozs.

*DIAMOND EDGE	Per Dozen	*EMPIRE	Per Dozen
No. 3S383P—Pearl Handle	$32 00	No. 3E383P—Pearl Handle	$26 00



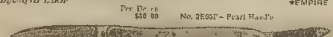
Length 2⅝ inches, Unstapped, One Large Spear, One Small Pen and One File Blade, Full Coeus Polished and Etched, German Silver Lining. Weight per Dozen 8 ozs.

*DIAMOND EDGE	Per Dozen	*EMPIRE	Per Dozen
No. 3S346P—Pearl Handle	$28 00	No. 3E310P—Pearl Handle	$24 00



Length 3 inches, Unstapped, One Large Spear, One Small Pen and One Long Nail File Blade, Full Coeus Polished and Etched, German Silver Lining, German Silver Bolsters. Weight per Dozen 9 ozs.

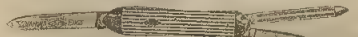
*DIAMOND EDGE	Per Dozen	*EMPIRE	Per Dozen
No. 3S65P—Pearl Handle	$50 00	No. 3E65T—Pearl Handle	$46 00



*DIAMOND EDGE

Length 3¼ inches, Unstapped, One Large Spear, One Small Pen and One File Blade, Half Coeus Polished and Etched; German Silver Lining. Weight per Dozen 12 ozs.

	Per Dozen
No. 3S38P—Pearl Handle	$20 00



*DIAMOND EDGE

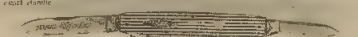
Pyralin Handles—Length 3 inches, Fancy German Silver Bolsters, German Silver Lining, One Large Pen Blade, One Small Pen Blade and One French Nail File on Back. Nail Polished and Etched Blades. Weight per Dozen 14 ozs.

	Per Dozen
No. 3S214YN—Black and White Striped Handle	$24 00
No. 3S351J—Golden Rod Tortoise	24 00
No. 3S351 TB—Turquois Blue Tortoise	24 00
No. 3S351C—Brown and White Mottled Handle	24 00

*DIAMOND EDGE

Length 3 inches, German Silver Trim, German Silver Shield Lining, One Large Pen Blade, One Small Pen Blade and One Long Flexible Nail File—Half Polished and Etched Blades. Weight per Dozen 8 ozs.

	Per Dozen
No. 3S202—Plain Pearl Pyral in Handle	$21 00
No. 3S202P—Mottled Pearl Handle	21 00



*DIAMOND EDGE

Length 3¼ inches, German Silver Trim and Shield, Brass Lining, One Large Pen Blade and One Small Pen Blade and One Long, Stag Pearl Fiber Half Polished and Etched Blades. Weight per Dozen 12 ozs.

	Per Dozen
No. 3S379YN—Black and White Striped Pyralin Handle	$16 00

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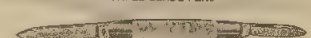
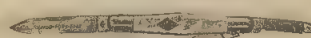
THREE BLADE PENS



*DIAMOND EDGE

Length 3¼ inches, German Silver Bolsters; One Large Spear, One Small Pen and One File Blade; Half Coeus Polished and Etched, Brass Linings. Weight per Dozen 13 ozs.

	Per Dozen
No. 3S387P—Pearl Handle	$35 00



Length 3 inches, German Silver Bolsters, One Large Spear, One Small Pen and One File Blade, Half Coeus Polished and Etched, Brass Linings. German Silver Bolster Weight per Dozen 12 ozs.

*DIAMOND EDGE	Per Dozen	*EMPIRE	Per Dozen
No. 3S388ST—Patent Stag Handle	$13 20	No. 3E388ST—Patent Stag Handle	$13 20
No. 3S388P—Pearl Handle	21 60	No. 3E388P—Pearl Handle	21 60

Length 3 inches, German Silver Bolsters, One Large Spear, One Small Pen and One File Blade, Half Coeus Polished and Etched, Brass Linings. German Silver Shield, Weight per Dozen 14 ozs.

*DIAMOND EDGE	Per Dozen	*EMPIRE	Per Dozen
No. 3S381ST—Patent Stag Handle	$13 00	No. 3E381ST—Patent Stag Handle	$13 00
No. 3S381P—Pearl Handle	21 60	No. 3E381P—Pearl Handle	21 60

Length 3 inches, German Silver Bolsters, One Large Spear, One Small Pen and One File Blade, Half Coeus Polished and Etched, Brass Linings. Weight per Dozen 16 ozs.

*DIAMOND EDGE	Per Dozen	*EMPIRE	Per Dozen
No. 3S319GST—Genuine Stag Handle	$17 00	No. 3E319GST—Genuine Stag Handle	$17 00

Length 3 inches, Polished Sized Red Fiber Bolsters; One Large Wharncliffe and Two Small Pen Blades, Half Coeus Polished, and Etched; Brass Linings, German Silver Shield, Weight per Dozen 16 ozs.

*DIAMOND EDGE	Per Dozen	*EMPIRE	Per Dozen
No. 3S245ST—Patent Stag Handle	$14 00		
No. 3S245P—Pearl Handle	23 00	No. 3E245P—Pearl Handle	$21 00

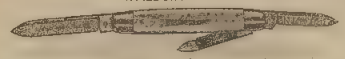
Half Dozen in a Box

Exclusive Western and Southern Distributors for the Product of the Empire Knife Co., Winsted, Conn.

POCKET KNIVES

Forged from Best Pocket Cutlery Steel Known, Thomas Firth & Sons, Sheffield England, Carefully Hardened and Perfectly Tempered by the Most Skilled and Experienced Cutlers. Celebrated for Perfect Cutting Edges, Ease in Opening of Blades, Superior Finish and Symmetrical Appearance. Every Blade Sharpened and Honed Ready for Use; Free from Flaws and Imperfections. FULLY GUARANTEED.

THREE BLADE PENS



Length 3¼ inches, German Silver Bolsters, One Large Spear, One Small Pen and One File Blade, Half Crocus Polished and Etched, Brass Lining, German Silver Shield, Weight per Dozen 17 ozs.

*DIAMOND EDGE	Per Dozen	*EMPIRE	Per Dozen
No. 3S1013T Patent Stag Handle	$15 00	No. 3E1043T Patent Stag Handle	$16 00
No. 3S104P Pearl Handle	21 00	No. 3E104P Pearl Handle	24 00

Length 3½ inches, German Silver Bolsters, One Large Spear and Two Small Pen Blades, Half Crocus Polished and Etched, Brass Lining, German Silver Shield, Weight per Dozen 20 ozs.

*DIAMOND EDGE	Per Dozen	*EMPIRE	Per Dozen
No. 3S2026ST—Patent Stag Handle	$15 00	No. 3E2036ST Patent Stag Handle	$16 00

Length 3¼ inches, German Silver Cappeds, One Large Spear, One Small Pen and One File Blade, Half Crocus Polished and Etched, German Silver Lining, Hand Milled, German Silver Shield. Weight per Dozen 19 ozs.

*DIAMOND EDGE	Per Dozen	*EMPIRE	Per Dozen
No. 3S1035T—Patent Stag Handle	$20 00	No. 3E1035T—Patent Stag Handle	$22 00
No. 3S106P—Pearl Handle	24 00	No. 3E105P—Pearl Handle	24 00

*DIAMOND EDGE

Length 3¾ inches, German Silver Bolsters, One Large Wharncliffe and Two Small Pen Blades, Half Crocus Polished and Etched, Brass Lining, German Silver Shield, Weight per Dozen 18 ozs.

	Per Dozen
No. 3S203ST—Patent Stag Handle	$18 00

Length 3½ inches, German Silver Bolsters, One Large Wharncliffe and Two Small Pen Blades, Half Crocus Polished and Etched, Brass Lining, German Silver Shield, Weight per Dozen 22 ozs.

*DIAMOND EDGE	Per Dozen	*EMPIRE	Per Dozen
No. 3S546GST—Genuine Stag Handle	$15 00	No. 3E546GST—Genuine Stag Handle	$18 00

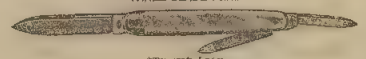
Half Dozen in a Box

Exclusive Western and Southern Distributors for the Product of the Empire Knife Co., Winsted, Conn.

POCKET KNIVES

Forged from Best Pocket Cutlery Steel Known, Thomas Firth & Sons, Sheffield England, Carefully Hardened and Perfectly Tempered by the Most Skilled and Experienced Cutlers. Celebrated for Perfect Cutting Edges, Ease in Opening of Blades, Superior Finish and Symmetrical Appearance. Every Blade Sharpened and Honed Ready for Use; Free from Flaws and Imperfections. FULLY GUARANTEED.

THREE BLADE PENS



*DIAMOND EDGE

Length 3¼ inches, German Silver Bolster, One Large Spear, One Small Pen and One File Blade, Half Crocus Polished and Etched, Brass Lining, Weight per Dozen 19 ozs.

	Per Dozen
No. 3S204P—Pearl Handle	$21 00

*DIAMOND EDGE

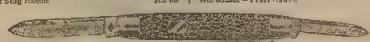
Length 3¾ inches, German Silver Bolsters, One Large Spear, One Small Pen and One File Blade, Half Crocus Polished and Etched, Brass Lining, German Silver Shield, Weight per Dozen 22 ozs.

	Per Dozen
No. 3S34P—Pearl Handle	$27 00

*DIAMOND EDGE

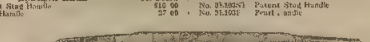
Length 3¼ inches, German Silver Bolsters, One Large Spear, One Small Pen and One File Blade, Half Crocus Polished and Etched, Brass Lining, German Silver Shield, Weight per Dozen 18 ozs.

	Per Dozen		Per Dozen
No. 3S206ST—Patent Stag Handle	$15 00	No. 3S206P—Pearl Handle	$22 00



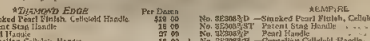
Length 3½ inches, German Silver Bolsters, One Large Spear, One Small Pen and One File Blade, Half Crocus Polished and Etched, Brass Lining, German Silver Shield, Weight per Dozen 22 ozs.

*DIAMOND EDGE	Per Dozen	*EMPIRE	Per Dozen
No. 3S210ST Patent Stag Handle	$16 00	No. 3E103N1 Patent Stag Handle	$16 00
No. 3S210P Pearl Handle	27 00	No. 3E103P Pearl Handle	27 00



Length 3½ inches, German Silver Bolsters, One Large Clip, One Small Coping and One Small Pen Blade, Half Crocus Polished and Etched, Brass Lining, German Silver Shield, Weight per Dozen 22 ozs.

*DIAMOND EDGE	Per Dozen	*EMPIRE	Per Dozen
No. 3S203SD—Smoked Pearl Finish, Celluloid Handle	$18 00	No. 3E203SD—Smoked Pearl Finish, Celluloid Handle	$18 00
No. 3S203ST Patent Stag Handle	18 00	No. 3E203ST Patent Stag Handle	18 00
No. 3S203P Pearl Handle	27 00	No. 3E203P Pearl Handle	27 00
No. 3S203CH—Canadian Celluloid Handle	18 00	No. 3E203CH—Canadian Celluloid Handle	18 00



Length 3½ inches, German Silver Bolsters, One Large Clip and Two Small Pen Blades, Half Crocus Polished and Etched, Brass Lining, German Silver Shield, Weight per Dozen 21 ozs.

*DIAMOND EDGE	Per Dozen	*EMPIRE	Per Dozen
No. 3S303ST—Patent Stag Handle	$18 00	No. 3E303ST—Patent Stag Handle	$18 00
No. 3S303P—Pearl Handle	30 00	No. 3E303P Pearl Handle	30 00

Half Dozen in a Box

Exclusive Western and Southern Distributors for the Product of the Empire Knife Co., Winsted, Conn.

"DIAMOND EDGE IS A QUALITY PLEDGE"

FINEST GENUINE, RICH AMERICAN CUT GLASS

In the quality of colors and in the delicacy of carving, upon which the decorative value of glass depends, our glass shows distinctive beauty unsurpassed.

ILLUSTRATIONS ARE REDUCED SIZE

CARAFE
Capacity one quart, height 8½ inches.
No. 11800 Each.....$10.00

CARAFE
Capacity one quart, height 8½ inches.
No. 11801 Each.....$11.00

HANDLED CARAFE
Capacity one quart, height 8½ inches.
No. 11[illegible] Each.....$14.00

WATER SET

Set consists of one water jug or pitcher, height 10½ inches, capacity 4 pints, six tumblers, height 3⅜ inches and footed 14 inch mirror plateau, burnished, silver plated border
No. 11803 Complete set, as illustrated.....$38.00

WATER SET

Set consists of one water jug or pitcher, height 10½ inches, capacity 4 pints; six tumblers, height 3⅜ inches and footed 14 inch mirror plateau, burnished, silver plated border.
No. 11804 Complete set, as illustrated.....$42.00

FINEST GENUINE RICH AMERICAN CUT GLASS

Illustrations Are Reduced Size.

CARAFE

No. 11805 [illegible] consists of one quart [illegible] inches . . . $7.20

WATER SET

Set consists of one water [illegible] height 11½ inches capacity 6 pints six tumblers, height 4 inches are footed 4 inch mirror plateau furnished silver plated border
No. 11808 Complete set, as illustrated $30.00

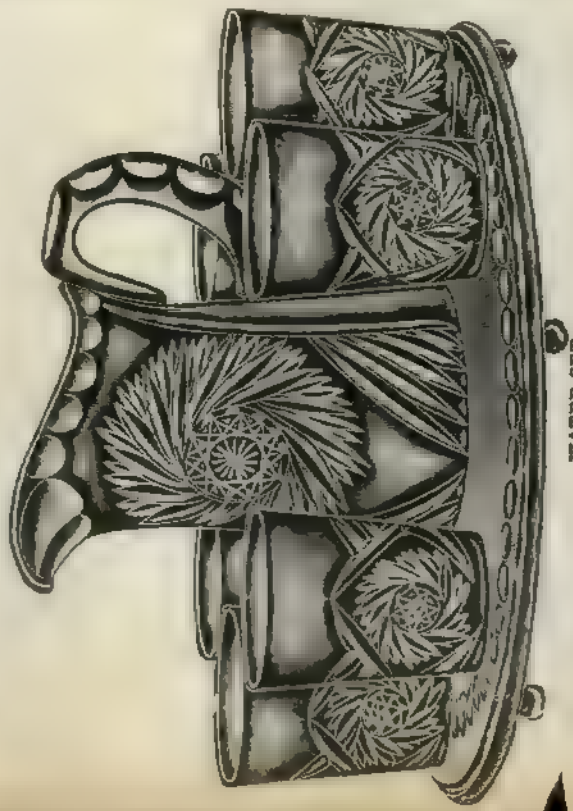
WHISKEY SET

Set consists of one whiskey [illegible] capacity one pint height 8 inches six tumblers [illegible] footed 12 inch mirror plateau furnished silver plated border
No. 11810 [illegible] set, as illustrated $33.00

Cut Glass is a suitable gift for all occasions, and is very much appreciated.

WINE SET

Set consists of one wine [illegible] height 12 inches capacity 2 pints six glasses height 4½ inches [illegible] footed 12 inch mirror plateau furnished silver plated border
No. 11807 Complete set, as illustrated $32.00

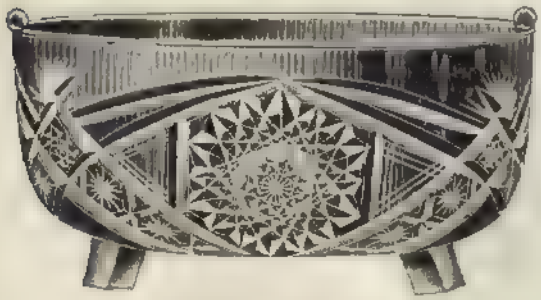


WATER SET

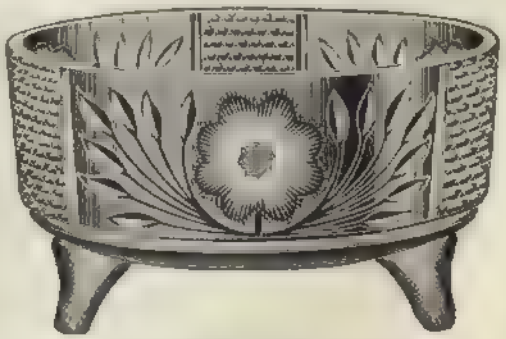
Set consists of one water pitcher, capacity 3 pints six tumblers, height [illegible] inches, one footed 14 inch mirror plateau furnished silver plated border
No. 11806 Complete set as illustrated $26.00

FINEST GENUINE RICH AMERICAN CUT GLASS

Illustrations are reduced size



FERN DISH
Width, 8½ inches. Height, 4¼ inches
Removable burnished metal lining
No. 11810 Each $12.00



FERN DISH
Width, 7½ inches. Height, 4¼ inches
Removable burnished metal lining.
No. 11811 Each $14.00

TABLE BELL
Height, 4½ inches.
No. 11812 Each $4.00

JUG OR PITCHER
No. 11813 3 pint, height 9 inches, each ..... $ 8.00
No. 11814 4 " " 10½ " " 11.00

JUG OR PITCHER
No. 11815 3 pint, height 9 inches, each ..... $ 9.00
No. 11816 4 " " 10½ " " 12.00

JUG OR PITCHER
No. 11817 3 pint, height 9 inches, each ..... $ 9.00
No. 11818 4 " " 10½ " " 12.00

JUG OR PITCHER
No. 11819 3 pint, height 9 inches, each $10.00
No. 11820 4 " " 10½ " " 13.00

JUG OR PITCHER
No. 11821 3 pint, height 9 inches, each $11.00
No. 11822 4 " " 10½ " " 14.00

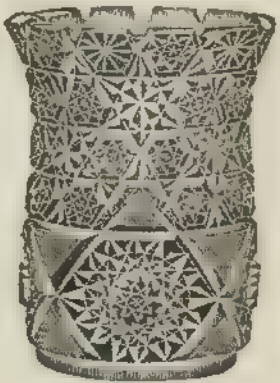
JUG OR PITCHER
No. 11823 3 pint, height 9 inches, each $11.00
No. 11824 4 " " 10½ " " 14.00

FINEST GENUINE RICH AMERICAN CUT GLASS

Illustrations Are Reduced Size

FERN DISH
With 8 inches diameter 4 prongs removable Tarnished metal lining
No. 11825 Each $12.50

TOOTH PICK HOLDER
Height 2¾ inches
No. 11826 Each $2.50



SPOON HOLDER
Height 4¾ inches
No. 11827 Each $7.00

JUG OR PITCHER
Capacity 3½ pints
Height 11 inches
No. 11828 Each $12.00

JUG OR PITCHER
Capacity 4 pints
Height 10½ inches
No. 11829 Each $15.00

JUG OR PITCHER
Capacity 4 pints.
Height 9 inches
No. 11830 Each $15.00

JUG OR PITCHER
Capacity 4 pints.
Height 10½ inches.
No. 11831 Each $18.00

JUG OR PITCHER
Capacity 4 pints.
Height 10½ inches.
No. 11832 Each $18.00

JUG OR PITCHER
Capacity 4 pints.
Height 10½ inches.
No. 11833 Each $20.00

FINEST GENUINE, RICH AMERICAN CUT GLASS

COVERED BUTTER DISH

Extreme height 5 inches. Width of plate 7¼ inches.
No. 11834 Complete set ... $11.00

Illustrations reduced size

WHISKEY DECANTER

Capacity one and a half pints, height 8¾ inches.
No. 11835 Each ... $14.00

WHISKEY DECANTER

Capacity one and a half pints, height 8¾ inches.
No. 11836 Each ... $14.00

JUG OR PITCHER

Capacity 4 pints, height 10½ inches.
No. 11837 Each ... $21.60

JUG OR PITCHER

Capacity 4 pints, height 7¾ inches.
No. 11838 Each ... $24.00

WHISKEY DECANTER

Capacity one quart, height 9¾ inches.
No. 11839 Each ... $20.00

JUG OR PITCHER

Capacity 4 pints, height 10½ inches.
No. 11840 Each ... $21.60

JUG OR PITCHER

Capacity 4 pints, height 7¾ inches.
No. 11841 Each ... $24.00

WHISKEY DECANTER

Capacity one quart, height 11 inches.
No. 11842 Each ... $13.00

FINEST GENUINE RICH AMERICAN CUT GLASS

Illustrations are reduced size

MINT SET
Height of cup 2½ inches.
Width of plate 6 inches
No. 11843 Complete set.....$8 00

WHISKEY DECANTER
Capacity one quart.
Height 12 inches.
No. 11844 Each $26 00

ICE TUB
Height 5½ inches, width 7½ inches.
No 11845 Each $12 00

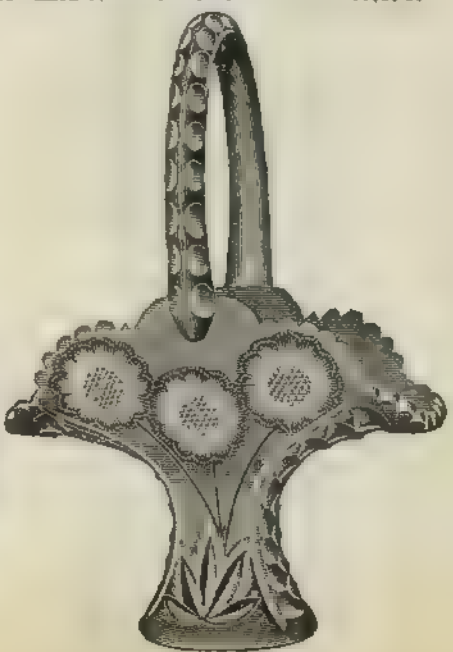
CATSUP BOTTLE
Height 7½ inches.
No 11846 Each $9.00

WHISKEY DECANTER
Capacity one quart.
Height 11½ inches.
No. 11847 Each $24.00

BASKET
Height 7¾ inches, diameter 6 inches.
No 11848 Each $8.00
Height 9 inches diameter 8 inches
No 11849 Each $11.00

JUG OR PITCHER
Capacity 4 pints height 7¾ inches.
No. 11850 Each ..$26 00

BAKED APPLE SET
Set consists of one 10 inch plate and six 5 inch plates
No. 11851 Complete set, 7 pieces.....$66.00
Separate plates furnished at following prices:
No. 11852 10 inch. Each $30 00
No 11853 5 inch Each 6.00



BASKET
Height 11 inches, diameter 8 inches.
No. 11854 Each $16.00

Finest Genuine American Cut Glass

Illustrations Are Reduced Size.

TUMBLERS
Height [illegible] inches
No 11865 Doz $16.00
Pitchers to match
Nos 11813 14 17-18-19 21 29

TUMBLERS
Height [illegible] inches
No [illegible] Doz $18.00
Pitchers to match
Nos 1181 -14-17-18 -19 20-29

TUMBLERS
Height [illegible] inches
No 11847 Doz $20.00
Pitchers to match
Nos 11815-17-37

TUMBLERS
Height [illegible] inches
No 11858 Doz $21.60
Pitchers to match
Nos 1813 14 17 18-19-[illegible]-29

TUMBLERS
Height [illegible] inches
No 1858 Doz $21.60
Pitchers to match
Nos 11823-24-[illegible]-32

ICE TEA TUMBLERS
Height [illegible] inches
No 11860 Doz $28.00
Pitchers to match
Nos 11821-22-28

TUMBLERS
Height 4 inches.
No. 11861 Doz. $24.00
Pitchers to match
Nos. 11821-22-28.

TUMBLERS
Height 4 inches.
No. 11862 Doz..$32.00
Pitcher to match
No. 11850.

TUMBLERS
Height 4 inches.
No. 11863 Doz..$32.00
Pitchers to match
Nos. 11837-40.

TUMBLERS
Height 4 inches.
No. 11851 Doz. .$36.00
Pitcher to match
No. 11838.

TUMBLERS
Height 4 inches.
No. 11865 Doz. $40.00
Pitcher to match
No. 11841.

TUMBLERS
Height 4 inches.
No. 11866 Doz. $40.00
Pitcher to match
No. 11833.

WHISKEY GLASS
Height [illegible] inches
No [illegible] Doz $2.60
Decanters to match
Nos 1,836-42.

WHISKEY GLASS
Height [illegible] inches
No 11868 Doz $21.60
Decanter to match No 11836

WHISKEY GLASS
Height [illegible] inches
No 186[illegible] Doz $32
Decanter to match No 11839

WHISKEY GLASS
Height [illegible] inches
No 1870 Doz $36.00
Decanter to match No. 11847

WHISKEY GLASS
Height 2[illegible] inches
No [illegible]7 Doz $36.00
Decanter to match No. 11844

The tracings are as exquisite, varied and delicate as frost imagery. The lustre suggests the blue white radiance of diamonds accomplished by master hands at factory.

CORDIAL Height 3⅝ in. No. 11872 Per doz., $32.00

WINE Height 4¼ in. No. 1[illegible]873 Per doz $[illegible]6.00

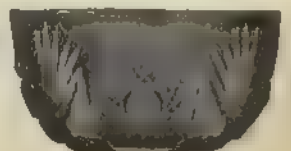
SHERRY Height 4[illegible] inches. No 11874 Per doz $36.00

CLARET Height 4[illegible] inches. No 1[illegible]8[illegible]5 Per doz $[illegible]6.00

CHAMPAGNE Height 4¾ inches. No 1[illegible]87 Per doz $60.00

GOBLET Height 6[illegible] inches. No [illegible]77 Per doz .. $50.00

FINGER BOWLS
Height 2[illegible] inches
Diameter 5 inches
No. 11878 Each....$4.75



FINGER BOWLS
Height 2½ inches.
Diameter 5 inches
No. 11879 Each. $4.75

FINEST GENUINE RICH AMERICAN CUT GLASS

Illustrations are reduced size

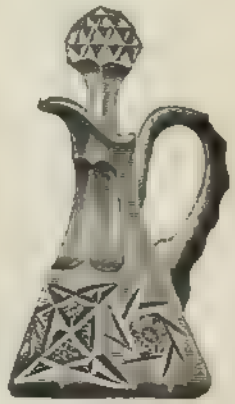
Peruse these pages carefully and note the varied and choicest designs from which your selection can be made. The lustre suggests the blue-white radiance of diamonds, accomplished by the master hands and extreme care exercised at factory.

CATSUP BOTTLE
Height 7 inches.
No. 11880 Each...$10.00

OIL OR VINEGAR BOTTLE
Height 7 inches.
No. 11881 Each ...$4 60

OIL OR VINEGAR BOTTLE
Height 7 inches.
No. 11882 Each... $4 60

OIL OR VINEGAR BOTTLE
Height 7 inches.
No. 11883 Each....$5.00



OIL OR VINEGAR BOTTLE
Height 7 inches.
No. 11884 Each $5 00

OIL OR VINEGAR BOTTLE
Height 7 inches.
No. 11885 Each....$5.00

OIL OR VINEGAR BOTTLE
Height 7 inches.
No. 11886 Each....$5.00

OIL OR VINEGAR BOTTLE
Height 7 inches
No. 11887 Each....$5 50

OIL OR VINEGAR BOTTLE
Height 7 inches.
No. 11888 Each....$5.00

OIL OR VINEGAR BOTTLE
Height 7 inches.
No. 11889 Each....$9.00

OIL OR VINEGAR BOTTLE
Height 9 inches.
No. 11890 Each....$7.00

OIL OR VINEGAR BOTTLE
Height 9 inches.
No. 11891 Each....$8.00

OIL OR VINEGAR BOTTLE
Height 9 inches.
No. 11892 Each....$9.00

OIL OR VINEGAR SET
Set consists of 2 bottles, height 7¾ inches, and tray; length 10 inches, width 6 inches.
No. 11893. Complete set, as illustrated.....$15.50

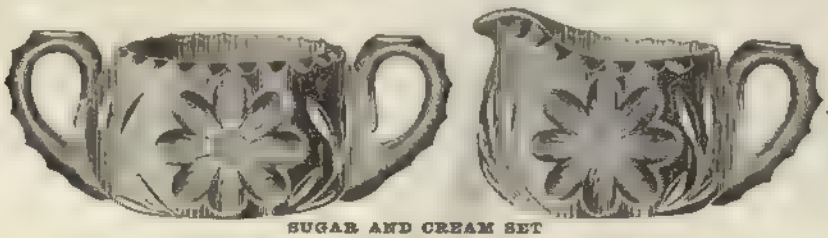
FINEST GENUINE, RICH AMERICAN CUT GLASS

Illustrations are Reduced Size

SUGAR AND CREAM SET

Height of sugar 3 inches, height of cream [illegible] inches

No. 1[illegible]4 Complete set, as illustrated $5.00



SUGAR AND CREAM SET

Height of sugar 3 inches, height of cream [illegible] inches

No. 1[illegible]06 Complete set, as illustrated $4.00

SUGAR AND CREAM SET

Height of sugar 3 inches; height of cream 3 inches.

No. 11896 Complete set, as illustrated . . . . . $[illegible]

SUGAR AND CREAM SET

Height of sugar 3 inches; height of cream 3 inches.

No. 11897 Complete set, as illustrated . . . . . $6.[illegible]

SUGAR AND CREAM SET

Height [illegible] inches; height of cream 3 inches.

No. 1184[illegible] Complete set, as illustrated . . . . . $[illegible]

SUGAR AND CREAM SET

Height of sugar 2½ inches; height of cream 3⅛ inches.

No. 11899 Complete set, as illustrated $8.00

CREAM

Height 3[illegible] inches

SUGAR

Height 2½ inches

No. 11900 Complete set, as illustrated $3.00

CREAM

Height 3[illegible] inches.

SUGAR

Height [illegible] inches.

No. 1[illegible]01 Complete set, as illustrated . . . . . $[illegible].00

CREAM

Height [illegible] inches.

SUGAR

Height 3½ inches.

No. 11902 Complete set, as illustrated $10.00

FINEST GENUINE RICH AMERICAN CUT GLASS

Illustrations are reduced size

No. 11903 Sugar and Cream Set, as illustrated $11.00
Height of sugar 3½ inches; height of cream 3½ inches.

No. 11904 Sugar and Cream Set, as illustrated $4.20
Height of sugar 3½ inches; height of cream 3½ inches.

No. 11905 Sugar and Cream Set, as illustrated $11.40
Height of sugar 4½ inches; height of cream 4¾ inches.

No. 11906 Sugar and Cream Set, as illustrated $12.00
Height of sugar 4½ inches; height of cream 4½ inches.

No. 11907 Sugar and Cream Set, as illustrated $13.00
Height of sugar 4 inches; height of cream 4¾ inches.

No. 11908 Sugar and Cream Set, as illustrated $9.00
Height of sugar 3 inches; height of cream 2¾ inches.

No. 11909 Sugar and Cream Set, as illustrated..$16.00
Height of sugar 4½ inches; height of cream, 4½ inches.

No. 11910 Sugar and Cream Set, as illustrated..$12.00
Height of sugar 3½ inches; height of cream 3½ inches.

FINEST GENUINE RICH AMERICAN CUT GLASS

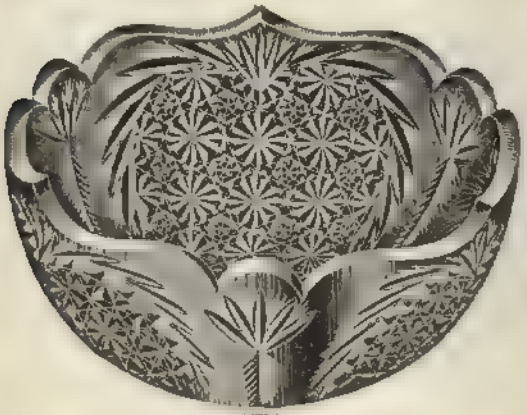
Illustrations are reduced size

OUR PRICES ARE BASED UPON SMALL PROFITS AND ALWAYS REPRESENT FULL VALUE
WHEN YOU COMPARE PRICES, CONSIDER OUR REPRESENTED QUALITY

BOWL
No. 11911 8 inch diameter Each . . .$6 00

BOWL
No. 11912 8 inch diameter Each. $8 00

COMPOTE
Height 4¾ inches
Diameter of bowl inches
No. 11913 Each $3 60
Height 5¾ inches
Diameter of bowl 6 inches
No. 11914 Each . ..$5 00



BOWL
No. 11915 8 inch diameter Each . $8 00

BOWL
No. 11916 8 inch diameter Each $7 20

COMPOTE
Height 7 inches.
Diameter of bowl 5 inches.
No. 11917 Each $6 00

BOWL
No. 11918 8 inch diameter Each .. .$8 00

BOWL
No. 11919 8 inch diameter Each . . $9 00

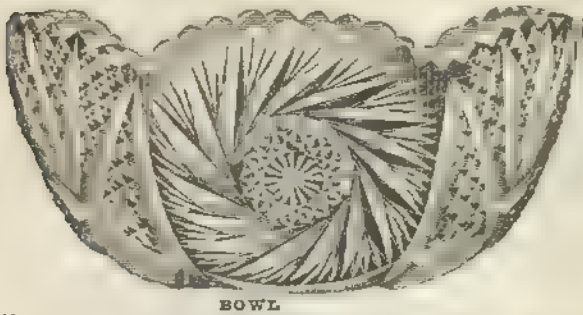
COMPORT
Height 7½ inches.
Diameter of bowl 6 inches.
No. 11922 Each $7.00

BOWL
No. 11920 8 inch diameter. Each $9.00

BOWL
No. 11921 8 inch diameter. Each.. .....$8.00

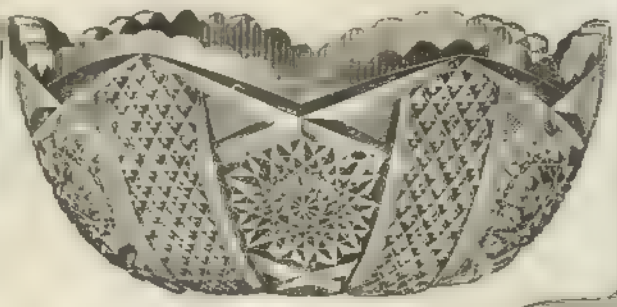
FINE GENUINE RICH AMERICAN CUT GLASS

Illustrations Are Reduced Size



BOWL

No. 11923 9 inch diameter. Each. . . . $11.40

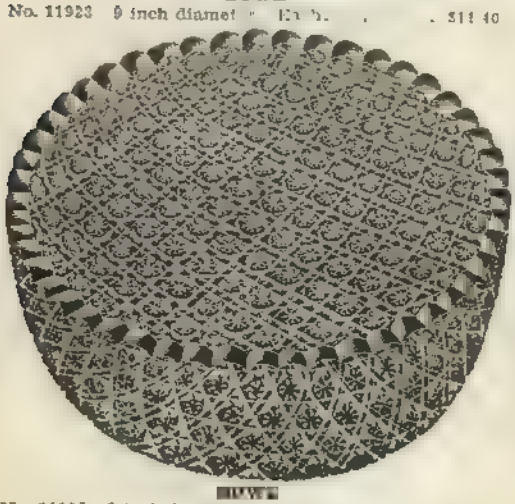


BOWL

No. 11924 9 inch diameter. Each . . . $12.00

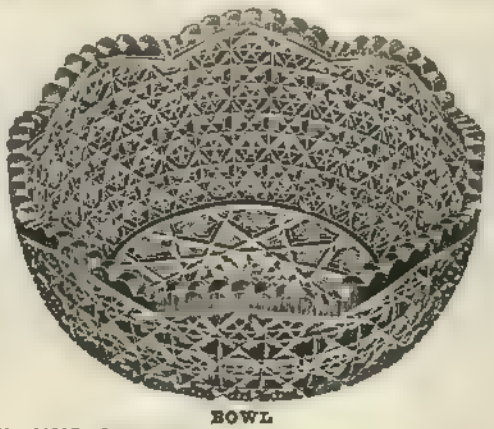
COMPORT

Height 7 inches.
Diameter of bowl 6 inches.
No. 11925 Each $7.20



BOWL

No. 11926 8 inch diameter. Each. $10.00



BOWL

No. 11927 8 inch diameter. Each $10.00

COMPORT

Height 8 inches.
Diameter of bowl 6 inches.
No. 11928 Each $8.00

BOWL

No. 11929 8 inch diameter. Each $11.00

BOWL

No. 11930 8 inch diameter. Each $11.00

COMPORT

Height 8 inches.
Diameter of bowl 6 inches.
No. 11931 Each $10.00

BOWL

No. 11931 8 inch diameter. Each $11.00

BOWL

No. 11932 9 inch diameter. Each $12.00

FINEST GENUINE, RICH AMERICAN CUT GLASS

ILLUSTRATIONS ARE REDUCED SIZE

BOWL AND PLATE SET

Height of bowl [illegible] inches.
Width of plate 6 inches.
No. [illegible] Complete set .$7.40

WHIP CREAM BOWL

Diameter 6 inches
No. 11935 Each $6.00

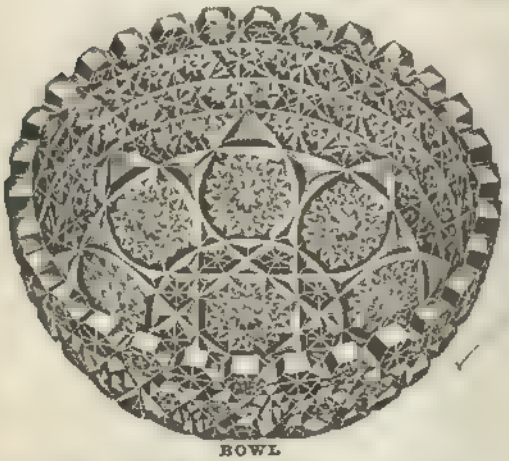
WHIP CREAM BOWL

Diameter 6 inches
No. 11[illegible] Each $5.40

COMPORT

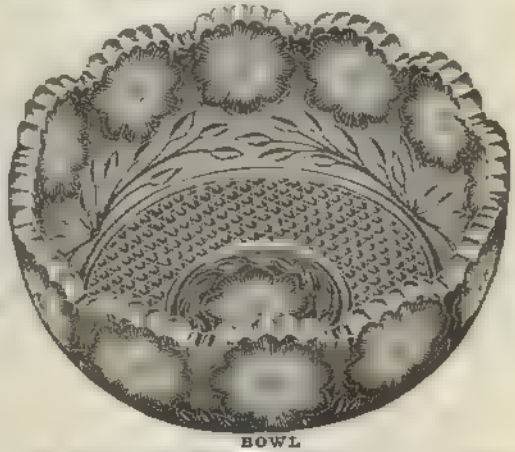
Height 5[illegible] inches
Diameter of bowl 6 inches
No. 119[illegible] Each . . . $12.00

SUITABLE FOR MAYONNAISE, ETC., ETC.



BOWL

No. 11938 8 inch diameter. Each . $12.00



BOWL

No. 11939 8 inch diameter. Each . . . $13.00

COMPORT

Height 5 inches
Diameter of bowl 6 inches
No. 11[illegible] Each $12.00

BOWL

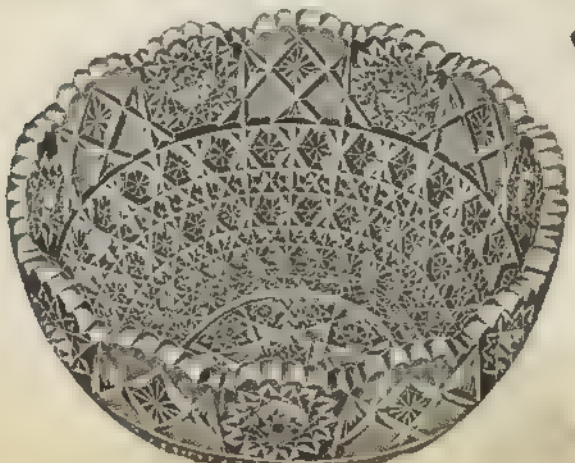
No. 11941 8 inch diameter. Each . .$14.00

BOWL

No. 11942 8 inch diameter. Each . . $14.00

COMPORT

Height 9 inches.
Diameter of bowl 7 inches
No. 11945 Each $20.00



BOWL

No. 11943 9 inch diameter. Each. $16.00

FOOTED BOWL

Height 6½ inches, diameter of bowl 9 inches.
No. 11944 Each .$34.00

FINEST GENUINE, RICH AMERICAN CUT GLASS

ALL CHOICEST AND NEWEST DESIGNS SUITABLE AS GIFTS FOR ANY OCCASION
IMMENSELY POPULAR

ILLUSTRATIONS ARE REDUCED SIZE

BOWL

No. 11946 8 inch diameter Each . . . $24.00

BOWL AND PLATE SET

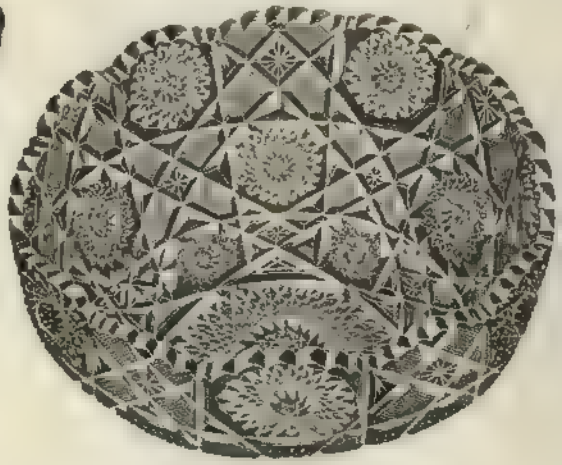
Diameter of bowl 5 inches.
Diameter of plate 7 inches.
No. 11947 Complete set $10.50

BOWL AND PLATE SET

Diameter of bowl 5 inches
Diameter of plate 7 inches.
No. 11948 Complete set $12.00

COMPORT

Height 7½ inches, diameter of bowl 8 inches.
No. 11949 Each $28.00



BOWL

No. 11950 9 inch diameter. Each $17.00

BOWL AND PLATE SET

Diameter of bowl 5½ inches.
Diameter of plate 6 inches.
No. 11951 Complete set $8.00

Bowl and Plate Sets are suitable for Whipped Cream, Mayonnaise, etc., etc.

BOWL

No. 11952 9 inch diameter Each . . $18.00

COMPORT

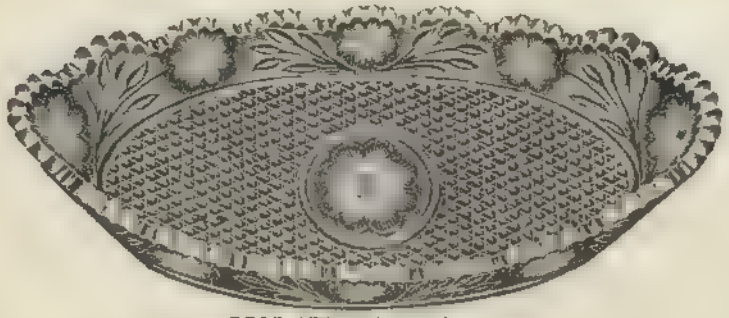
Height 8¼ inches, diameter of bowl 8 inches.
No. 11953 Each $15.00

COMPORT

Height 9 inches, diameter of bowl 7 inches
No. 11954 Each $20.00

FINEST GENUINE RICH AMERICAN CUT GLASS

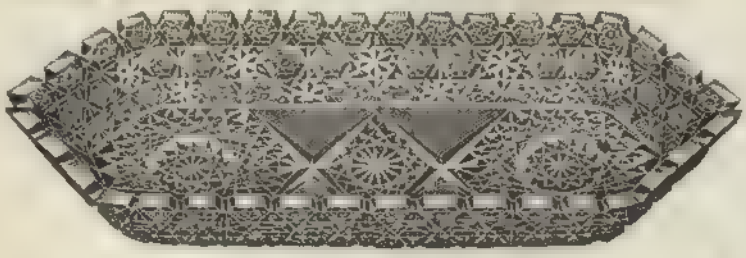
Illustrations Are Reduced Size



DEEP CELERY TRAY

Length 12½ inches, width 5 inches

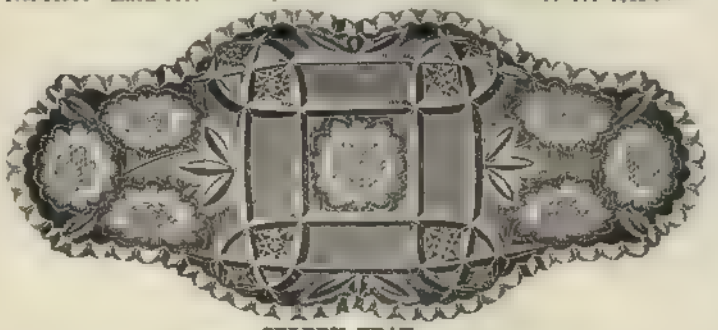
No. 11956 Each $4.00



CELERY TRAY

Length 12½ inches, width 5 inches

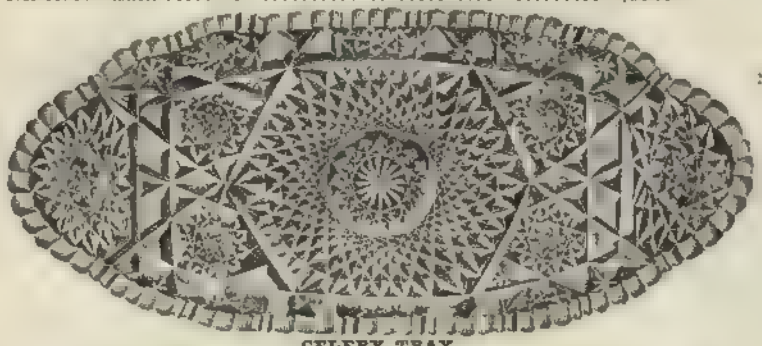
No. 11960 Each $12.00



CELERY TRAY

Length 12 inches, width 5½ inches

No. 11957 Each $14.00



CELERY TRAY

Length 13 inches, width 5½ inches.

No. 11958 Each $10.8

CELERY TRAY

Length 12 inches, width 6½ inches.

No. 11959 Each $10.00

SPOON TRAY

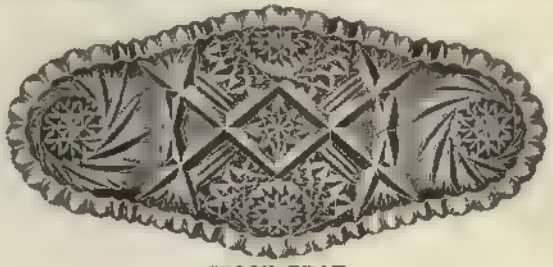
Length 8 inches, width 4 inches.

No. 11960 Each $3.00

SPOON TRAY

Length 9¾ inches, width 4 inches

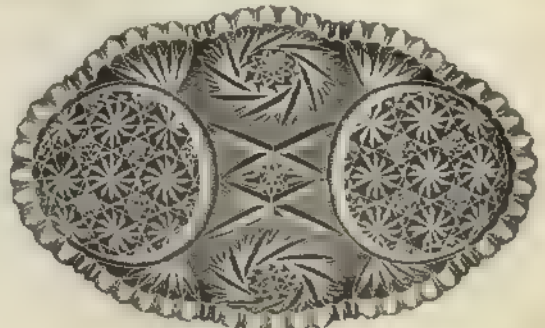
No. 11961 Each $5.40



SPOON TRAY

Length 8¾ inches, width 4 inches.

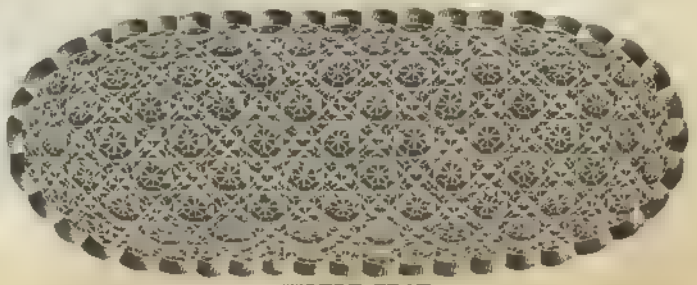
No. 11962 Each $3.10



BUTTER TRAY

Length 8 inches, width 5 inches.

No. 11963 Each $3.35



CELERY TRAY

Length 11½ inches, width 4½ inches.

No. 11964 Each $7.00

Finest Genuine, Rich American Cut Glass

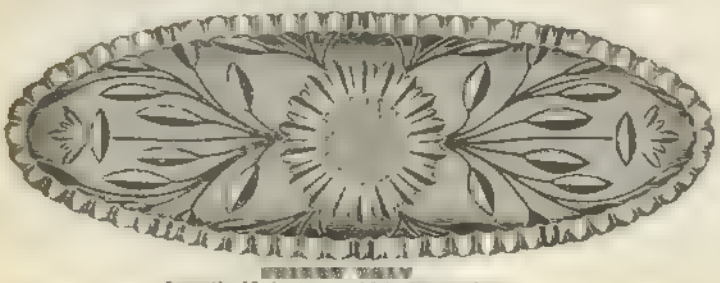
Illustrations are Reduced Size

SPOON TRAY

No. 11965 Each $5.00

CELERY TRAY

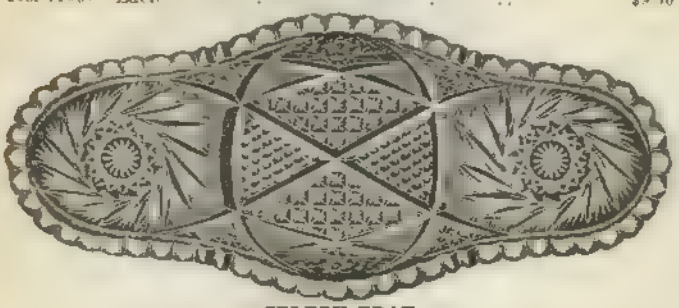
No. 11966 Each $6.00



CELERY TRAY

Length 12 inches, width 4½ inches

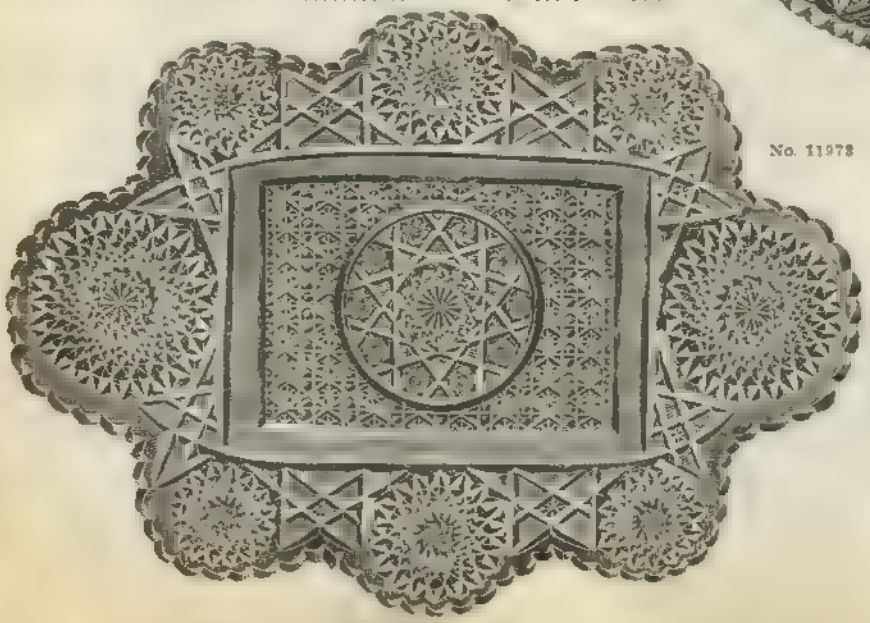
No. 11967 Each $9.00



CELERY TRAY

Length 11 inches, width 4¾ inches

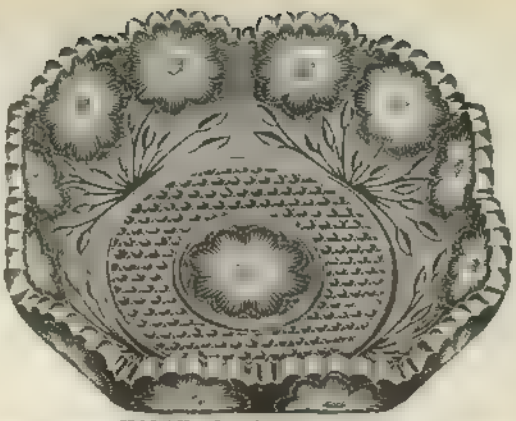
No. 11968 Each $8.00



ICE CREAM TRAY

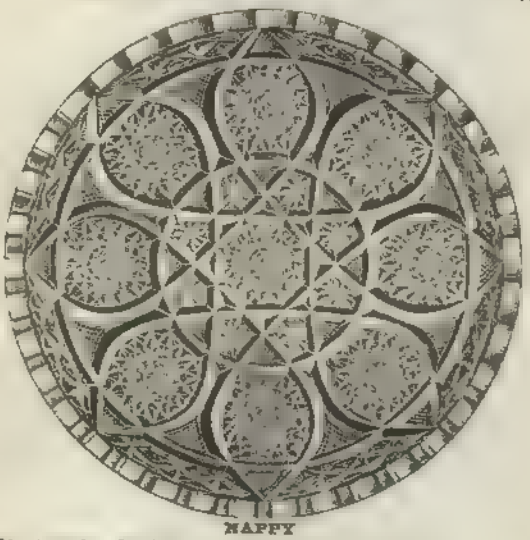
Length 14 inches, width 10½ inches

No. 11969 Each $20.00



NAPPY—OCTAGON SHAPE

No. 11970 8 inch. Each $15.00



NAPPY

No. 11971 8 inch Each $12.00

No. 11972 7 inch Each 14.00

CELERY TRAY

Length 11 inches, width 5 inches

No. 11973 Each $6.00

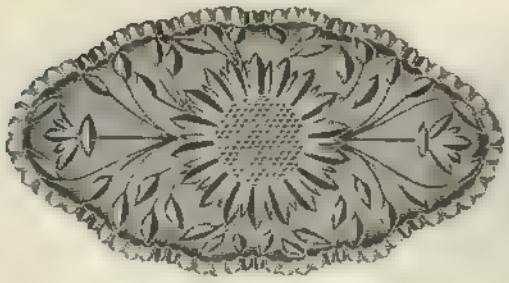
FOOTED NAPPY

Diameter 8 inches, height 3¾ inches

No. 11974 Each $13.00

FINEST GENUINE RICH AMERICAN CUT GLASS

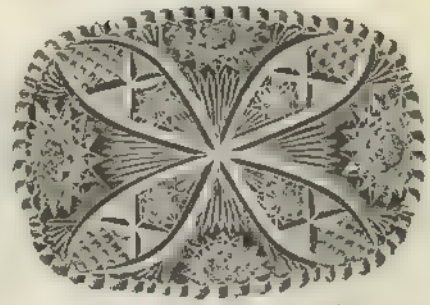
Illustrations are reduced size



SPOON TRAY

Length 5½ inches, width 4½ inches.

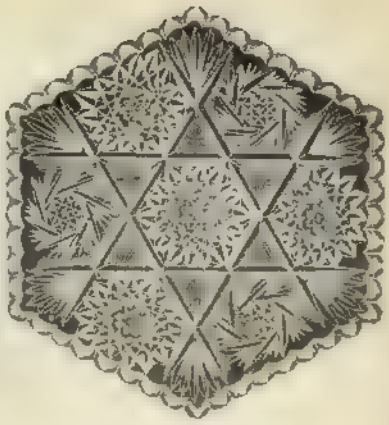
No. 11975 Each $3.75



BON BON OR OLIVE DISH

[illegible] inches wide, 5 [illegible]

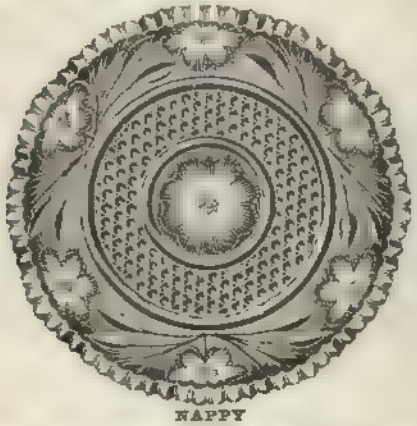
[illegible] Each ..... $3.[illegible]



PLATE

6 inch

No. 11977 Unhandled only. Each..$4.00



NAPPY

6 inch

No. 11978 Unhandled only. Each $5.00

NAPPY

6 inch.

No. 11979 Unhandled only. Each $5.00

SPOON TRAY

Length 8 inches, width 4 inches.

No. 11980 Each $3.50

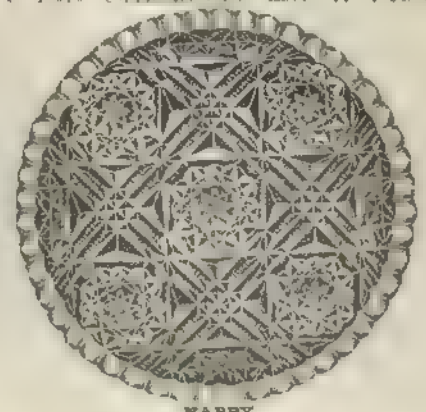
NAPPY

6 inch

No. 11981 [illegible] Each $3.40

No. 11982 Handled. Each 3.90

(Illustration shows Unhandled Nappy)



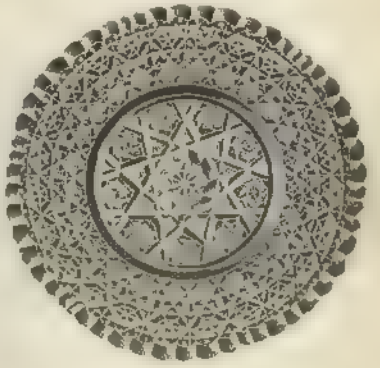
NAPPY

6 inch

No. 11983 Unhandled. Each $3.60

No. 11984 Handled. Each 3.90

(Illustration shows Handled Nappy)



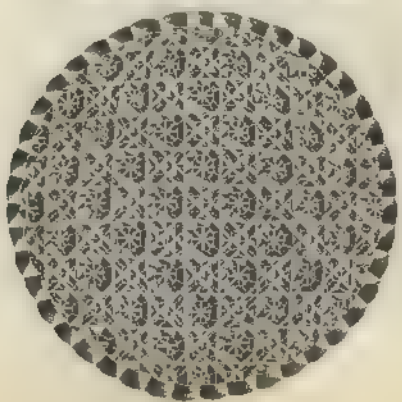
NAPPY

6 inch

No. 11985 Unhandled. Each $3.90

No. 11986 Handled. Each 3.90

(Illustration shows Unhandled Nappy)



NAPPY

6 inch.

No. 11987 Unhandled. Each $3.60

No. 11988 Handled. Each 3.90

(Illustration shows Unhandled Nappy)

NAPPY

6 inch.

No. 11989 Unhandled. Each $3.60

No. 11990 Handled. Each 3.90

(Illustration shows Unhandled Nappy)

NAPPY

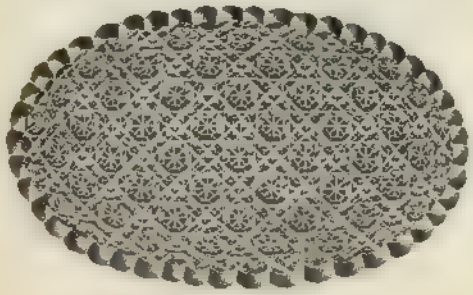
6 inch.

No. 11991 Unhandled. Each $4.00

No. 11992 Handled. Each 4.00

(Illustration shows Unhandled Nappy)

FINEST GENUINE RICH AMERICAN CUT GLASS



SPOON TRAY

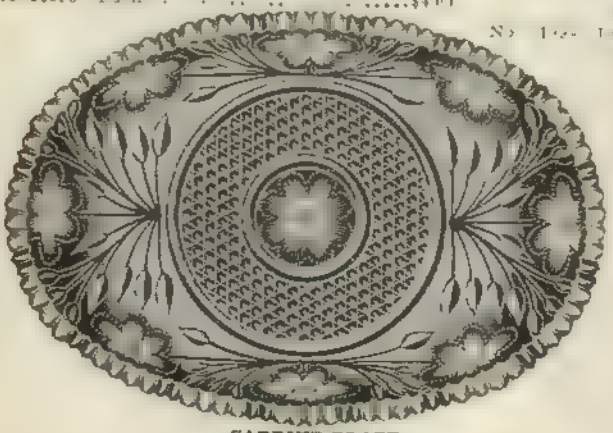
Length 8 inches; width 5 inches
No. 11993 Each $4.00

NAPPY—6 INCH

No. 11994 Handled; each ..... $5.00 No. 11995 Unhandled; each $4.00

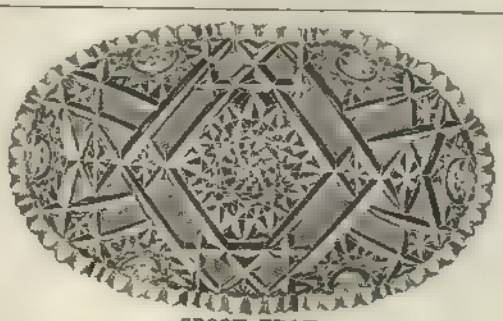
NAPPY—6 INCH

Illustrations are reduced size



SARDINE PLATE

No. 11996 Length, 9½ inches; width, 7 inches. Each..... $11.00



SPOON TRAY

No. 11997 Length, 8 inches; width, 5 inches. Each..... $4.00

DEEP DISH

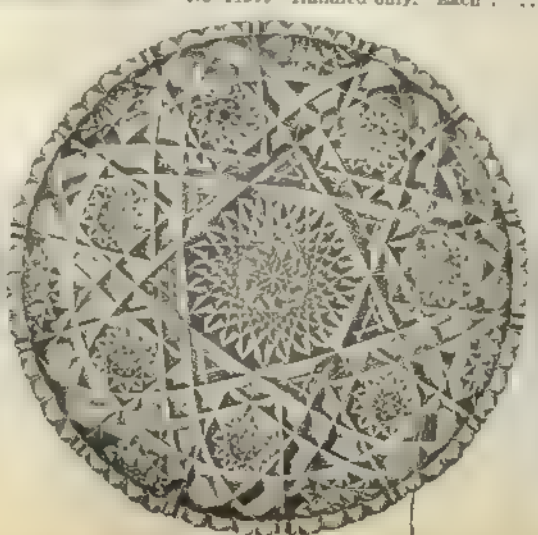
No. 11998 Length, 12 inches; width, 8 inches; depth, 2 inches Each $15.00

NAPPY—6 INCH

No. 11999 Handled only. Each $4.00

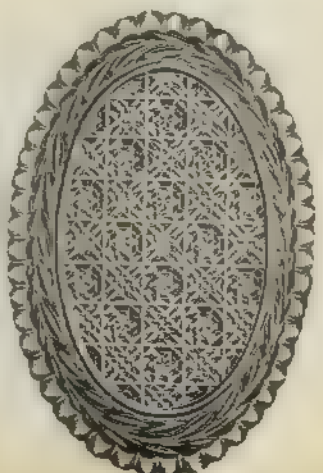
NAPPY—9 INCH

No. 12000 Unhandled only Each $10.80



UNHANDLED NAPPY

No. 12001 7 inch Each $7.00
No. 12002 8 inch Each 9.00



SPOON TRAY

Length, 7 inches; width, 4¾ inches
No. 12003 Each $3.75

FINEST GENUINE, RICH AMERICAN CUT GLASS

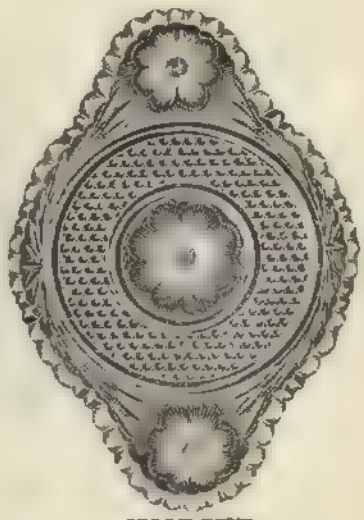
Peruse these pages carefully and note the varied and choicest designs. Our prices are based upon small profits and always represent full value.

PLATE

No. 12004 7 inch. Each.....$5.40

PLATE

No. 12005 7 inch. Each.....$6.00



JELLY DISH

Length 7¼ inches, width 5 inches.

No. 12006 Each.....$5.00

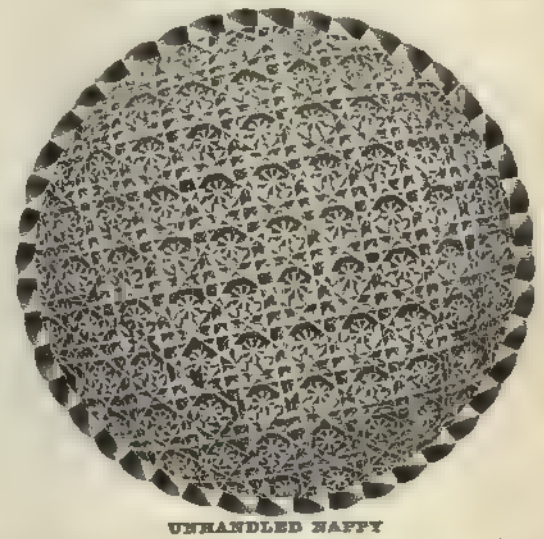
ILLUSTRATIONS ARE REDUCED SIZE

NAPPY

No. 12007 5 inch (unhandled) Each.....$2.40
No. 12008 5 inch (handled). Each.....2.50
No. 12009 6 inch (unhandled) Each.....3.00
No. 12010 6 inch (handled) Each.....3.30

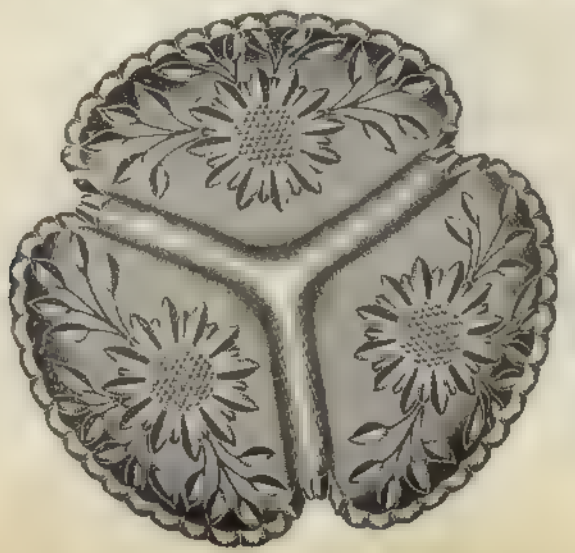
NAPPY

No. 12011 6 inch (unhandled). Each...$3.50
No. 12012 6 inch (handled) Each.....3.50



UNHANDLED NAPPY

No. 12013 7 inch. Each.....$5.00
No. 12014 8 inch Each.....8.00



RELISH DISH

Three compartments. Diameter 9 inches, depth 2½ inches.

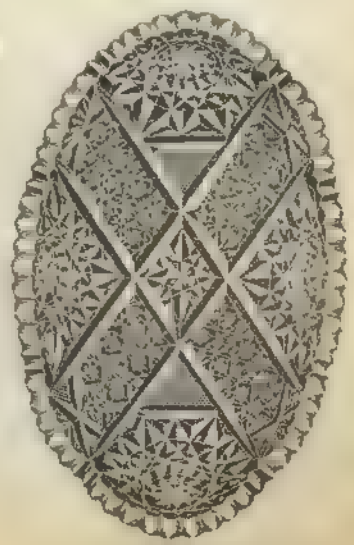
No. 12015 Each.....$13.00

Our Tremendous Purchasing Power Account for These Remarkably Low Prices

BON BON OR OLIVE DISH

Length 7 inches, width 5½ inches.

No. 12016 Each.....$2.80

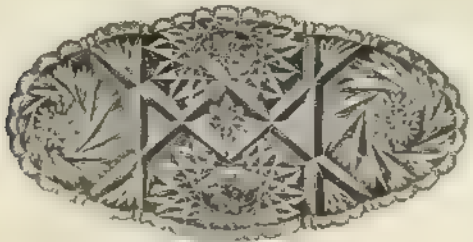


SPOON TRAY

Length 9 inches, width 5½ inches

No. 12017. Each.....$4.00

FINEST GENUINE RICH AMERICAN CUT GLASS



SPOON TRAY

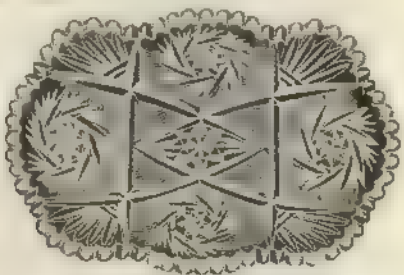
Length 8 inches, width 3½ inches

No. 12018 Each $3.00

SPOON TRAY

Length 7 inches, width 4¼ inches

No. 12019 Each $2.50



BON BON OR OLIVE DISH

Length 7 inches, width 4¼ inches

No. 12020 Each $3.00

FOOTED PUNCH BOWL

No. 12021 Diameter 12 inches, height 12 inches, Each $120.00

No. 12022 Diameter 14 inches, height 14 inches, " 160.00

No. 12023 Punch cups to match, height 4 inches, Per dozen 6.00

PUNCH CUP

Illustrations Are Reduced Size

VASE

No. 12024 10 in. Each...$12.00

No. 12025 12 in. Each... 16.00

No. 12026 14 in. Each... 22.00

No. 12027 16 in. Each... 32.00

No. 12028 18 in. Each... 48.00

VASE

No. 12029 12 in. Each...$18.00

No. 12030 14 in. Each... 14.00

No. 12031 16 in. Each... 20.00

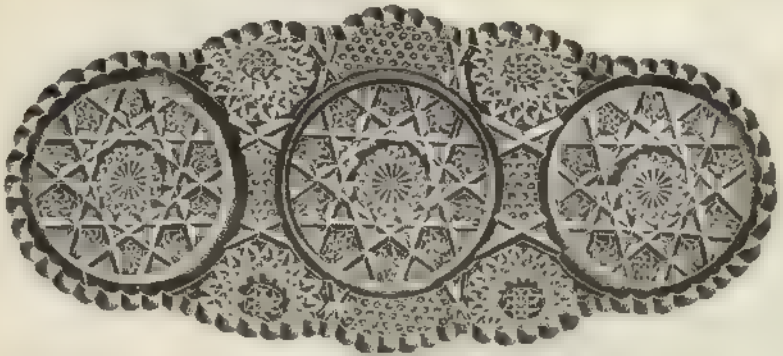
FOOTED PUNCH BOWL

No. 12032 Diameter 14 inches, height 15 inches, Each $200.00

No. 12033 Punch cups to match, Per dozen 66.00

PUNCH CUP

FINEST GENUINE RICH AMERICAN CUT GLASS



BREAD TRAY

No. 12034 Length 14 inches, width 7 inches. Each.....$12 60

HANDLED RELISH DISH

2 compartments. Length 8 inches, width 4½ inches.

No. 12035 Each.....$8 00

Illustrations are Reduced Size

FOOTED PUNCH BOWL

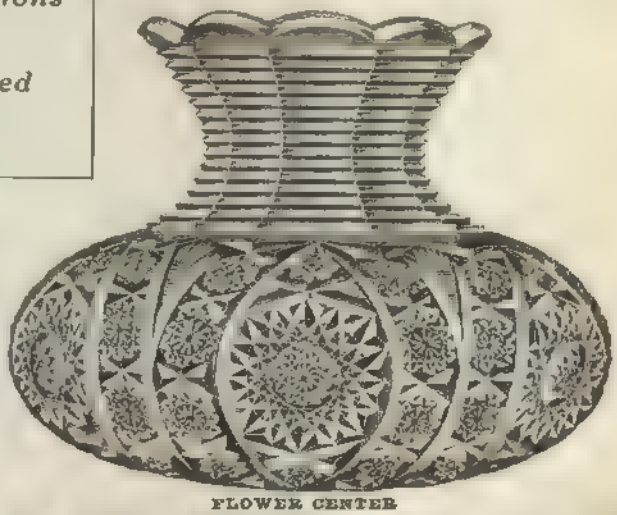
Diameter 10 inches. Height 10 inches. Set of [illegible] feet, diameter [illegible] inches.

No. [illegible] Each.....$25 00

Punch cups to match, height 4 inches.

No. [illegible] Per dozen.....$6 00

PUNCH CUP



FLOWER CENTER

No. 2 38 Diameter [illegible] inches. Each.....$ [illegible] 00

No. [illegible] Diameter [illegible] inches. Each.....48 00

No. [illegible] Diameter 12 inches. Each.....60 00

No. [illegible] Diameter 14 inches. Each.....80 00

No. [illegible] Diameter 16 inches. Each.....128 00

FOOTED PUNCH BOWL

No. 12 43 Diameter 10 inches, height 10 inches. Each.....$ 6 00

No. 12 44 Diameter 12 inches, height 12 inches. Each.....10 00

No. [illegible] Diameter 14 inches, height 14 inches. Each.....14 00

No. 12 46 Punch cups to match, height 4 inches. Per dozen.....6 00

PUNCH CUP

VASE

No. 12 47 10 inches. Each.....$ 4 00

No. [illegible] 48 12 inches. Each.....[illegible] 00

No. 12 [illegible] 14 inches. Each.....[illegible] 00

No. 12 [illegible] 16 inches. Each.....40 00

No. 12 [illegible] 18 inches. Each.....72 00

VASE

No. [illegible] 52 [illegible] inches. Each.....$15 00

No. [illegible] 53 [illegible] inches. Each.....[illegible] 00

No. [illegible] 54 [illegible] inches. Each.....[illegible] 00

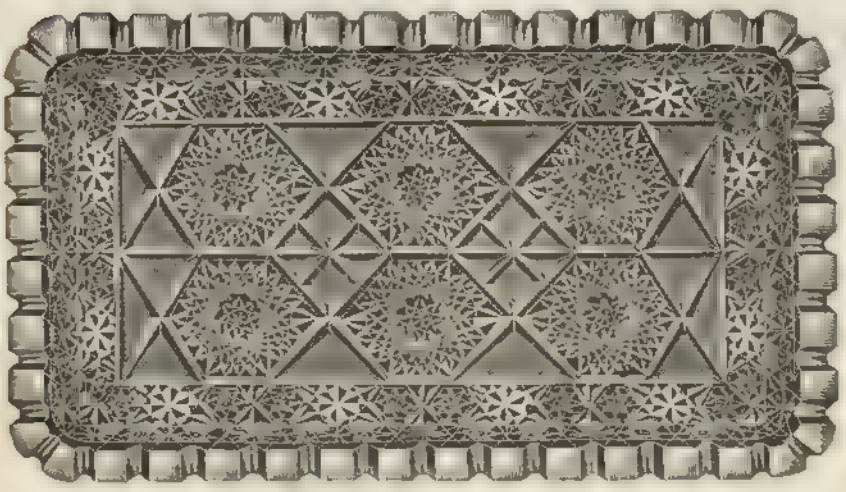
No. [illegible] 55 [illegible] inches. Each.....[illegible] 00

No. [illegible] 56 [illegible] inches. Each.....60 00

Finest Genuine, Rich American Cut Glass

The lustre suggests the blue-white radiance of diamonds, accomplished by master hands and extreme care exercised at factory.

IT IS TRUE ART—CRYSTALIZED



LARGE ICE CREAM TRAY

No. 12057 Length 14 inches, width 8 inches Each $3.00

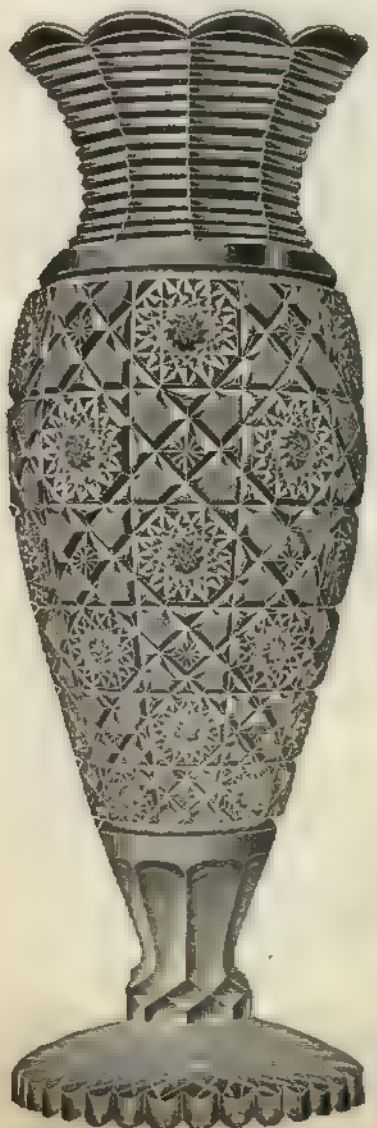
PLATE

No. 12058 7 inch. Each . . . $6.40

NAPPY

No. 12059 8 inch Each . . $ 8.00
No. 12060 9 inch Each . . 11.00

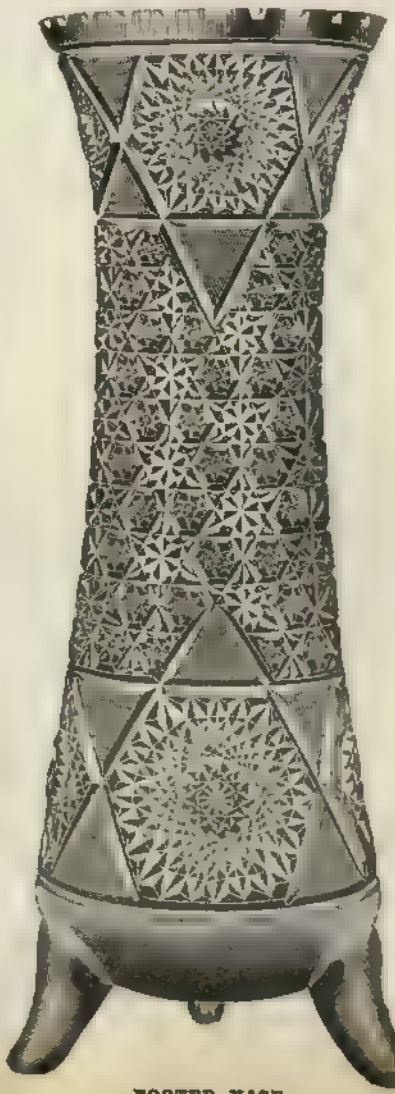
Illustrations are reduced size



FOOTED VASE

Height 24 inches

No. 12061 Each $100.00



FOOTED VASE

Height 30 inches.

No. 12062 Each $100.00

VASE

No. 12063	10 inch.	Each	$18.00
No. 12064	12 inch	Each	26.00
No. 12065	14 inch	Each	36.00
No. 12066	16 inch	Each	48.00
No. 12067	18 inch	Each	66.00

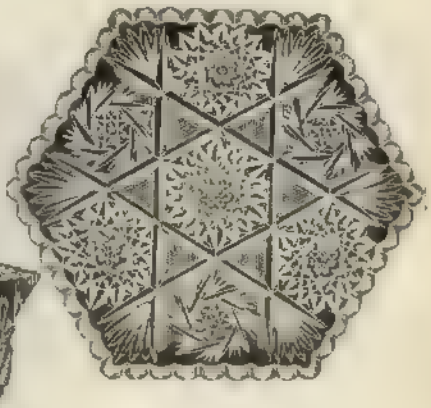
FINEST GENUINE RICH AMERICAN CUT GLASS

Illustrations are reduced size

VIOLET VASE
Height 5 inches
No. 12068 Each $5.00

BOWL AND PLATE SET
Diameter of bowl 9½ inches
Diameter of plate 12½ inches
No. 12[illegible] Complete Set $13.00

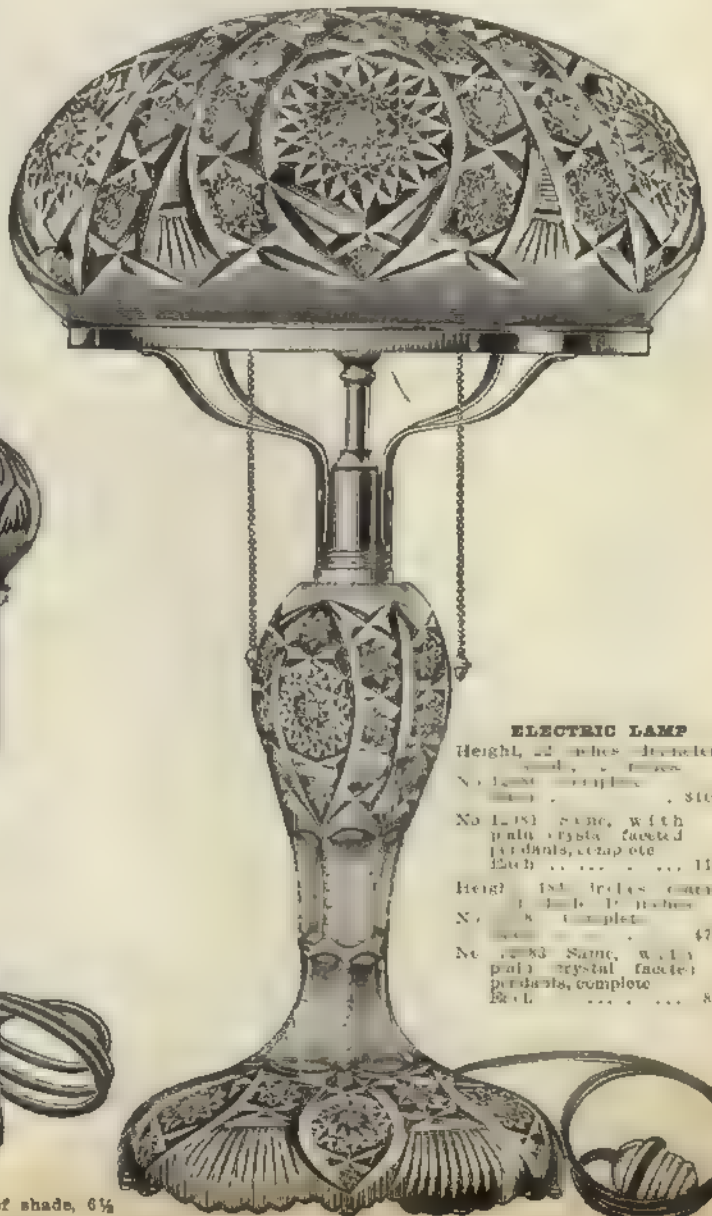
Bowl and Plate Sets are suitable for Whipped Cream, Mayonnaise, etc., etc.



BOWL AND PLATE SET
Diameter of bowl 11 inches
Diameter of plate, 14 inches
No. 12[illegible] Complete Set $9.00

VASE
Height [illegible] inches
No. 12071 Each $22.00

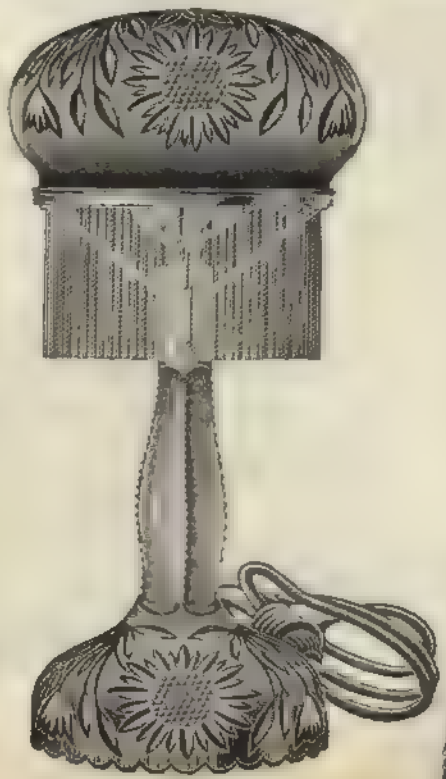
BUD VASE
Height, 7 inches.
No. 12072 Each.....$5.00



ELECTRIC LAMP
Height, 22 inches; diameter of [illegible]
No. [illegible] Complete [illegible] $100.00
No. [illegible] Same, with gold crystal faceted pendants, complete Each 112.00
Height 18½ inches; diameter of [illegible] 12 inches
No. [illegible] Complete [illegible] $47.00
No. [illegible] Same, with gold crystal faceted pendants, complete Each 80.00

VASE

No. 12073	8 in. Each	$ 7.00
No. 12074	10 in. Each	11.00
No. 12075	12 in. Each	16.00
No. 12076	14 in. Each	22.00
No. 12077	16 in. Each	30.00
No. 12078	18 in. Each	44.00



ELECTRIC LAMP
Height, 18½ inches; diameter of shade, 6½ inches
No. 12079 Complete Each $26.00

ELECTRIC LAMP NO. 12080-3

Finest Genuine Rich American Cut Glass

Illustrations Are Reduced Size

VASE

No. 12084 8 inch Each $ 7.20
No. 12085 10 inch Each 11.00
No. 12086 12 inch Each 15.00

VASE

No. 12087 [illegible] inch Each $ 8.00
No. 12088 [illegible] inch Each 11.00
No. 12089 14 inch Each 18.00

VASE

No. 12090 [illegible] inch Each $ 8.00
No. 12091 12 inch Each 11.00
No. 12092 14 inch Each 18.00

VASE

No. 12093 [illegible] inch Each $ 8.00
No. 12094 12 inch Each 11.00
No. 12095 14 inch Each 18.00

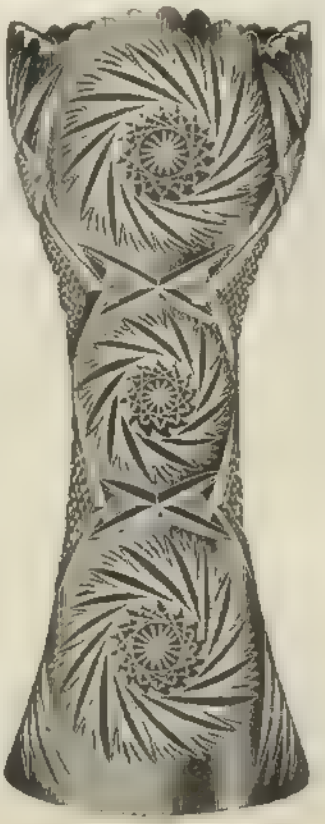
VASE

No. 12096 [illegible] Each $ [illegible]
No. 12097 [illegible] Each [illegible]
No. 12098 14 inch. Each.... 20.00
No. 12099 16 inch Each 28.00
No. 12100 18 inch Each 44.00

Choicest and Most Artistic Designs

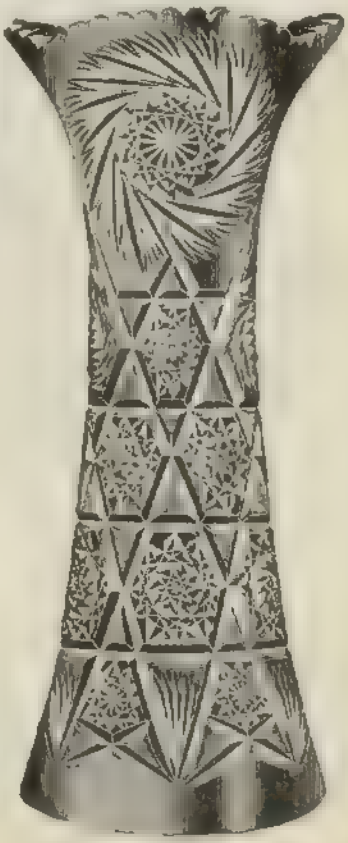
VASE

No. 12101 [illegible] inch Each $11.00
No. 12102 12 inch Each 15.00
No. 12103 14 inch. Each.... 22.00
No. 12104 [illegible] inch Each 32.00
No. 12105 18 inch. Each.... 48.00



VASE

No. 12107 [illegible] inch Each $11.00
No. 12108 14 inch. Each.... 20.00
No. 12109 16 inch. Each.... 30.00
No. 12110 18 inch. Each.... 46.00



VASE

No. 12111 [illegible] Each ... 11.00
No. 12112 12 inch Each ... 17.00
No. 12113 14 inch Each ... 22.00
No. 12114 16 inch Each ... 32.00
No. 12115 18 inch Each ... 46.00

ADJUSTABLE WOOD BOTTOM PLANES

BAILEY'S BENCH

Every Carpenter needs two or more wood planes in his kit, for rough outside work.

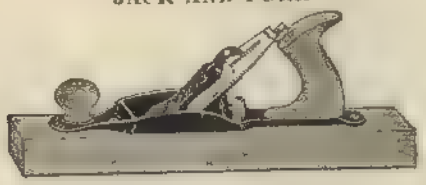
"Bailey" Wood Planes supply the demand for a wood plane of superior quality. The bottom, handle, and knob are made from selected and well seasoned beech. The cutters are the regular "Bailey" type and are adjustable both endwise and sidewise.

The frog is held in place by two machine screws which pass through the top iron and screw into two brass lugs. These lugs are screwed and securely pinned into the wood bottom. This is far superior to other methods of fastening, as it holds together firmly the wood bottom, the top iron which strengthens the wood bottom, and the frog.

SMOOTH

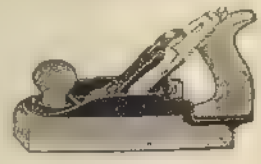
	Each
No. 21—7 in. Long, 1¾ in. Cutter, Weight 2½ Lbs.	$1.50
No. 22—8 in. Long, 1¾ in. Cutter, Weight 2½ Lbs.	1.50
No. 23—9 in. Long, 1¾ in. Cutter, Weight 2½ Lbs.	1.50
No. 24—8 in. Long, 2 in. Cutter, Weight 3 Lbs.	1.50

JACK AND FORE



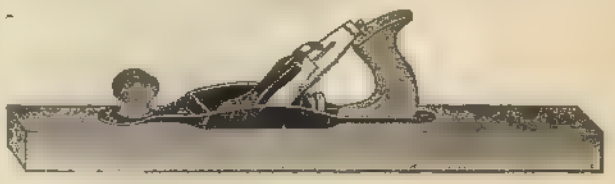
	Each
No. 26—Jack, 15 in. Long, 2 in. Cutter, Weight Each 3¾ Lbs.	$1.65
No. 27—Jack, 16 in. Long, 2⅛ in. Cutter, Weight Each 4 Lbs.	1.90
No. 28—Fore, 18 in. Long, 2⅜ in. Cutter, Weight Each 5½ Lbs.	2 05
No. 29—Fore, 20 in. Long, 2⅜ in. Cutter, Weight Each 6¼ Lbs.	2 10

HANDLED SMOOTH



	Each
No. 35—9 in. Long 2 in. Cutter, Weight Each 3¼ Lbs.	$1.90
No. 36—10 in. Long, 2⅜ in. Cutter, Weight Each 4 Lbs.	2.05

JOINTER



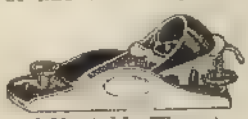
	Each
No. 30—22 in. Long, 2⅜ in. Cutter, Weight Each 6¼ Lbs.	$2.20
No. 31—24 in. Long, 2⅜ in. Cutter, Weight Each 6½ Lbs.	2 25
No. 32—26 in. Long, 2⅝ in. Cutter, Weight Each 7½ Lbs.	2 40
No. 33—28 in. Long, 2⅝ in. Cutter, Weight Each 8⅜ Lbs.	2 45
No. 34—30 in. Long, 2⅝ in. Cutter, Weight Each 8½ Lbs.	2 60

All Above, One in a Box.

IRON BLOCK PLANES

BAILEY'S

"Bailey" Block Planes are the highest type of Block Planes manufactured. They have the most improved form of adjustment, which enables the user to accurately adjust the cutter either endwise or sidewise. The cutter rests on its seat at an angle of 20 degrees as against 45 degrees in the ordinary bench planes, and the cutter bevel is made on the upper instead of on the lower side. All have adjustable throats which permit of the opening or closing of the mouth as coarse or fine work may require. The "Hand-y" feature on the sides forms a convenient grip for the hand.



Adjustable Throat.

	Each
No. 9½—6 in. Long, 1⅝ in. Cutter, Endwise Screw and Lateral Lever Adjustment, Japanned Trimmings, Weight Each 1½ Lbs.	$1.10

One in a Box.

Adjustable Throat.

	Each
No. 9¾—6 in. Long, 1⅝ in. Cutter, Rosewood Handle, Endwise Screw and Lateral Lever Adjustment, Japanned Trimmings, Weight Each 1⅝ Lbs.	$1.30

The rosewood handle enables the user to conveniently work the plane with both hands, if he so desires.

One in a Box.

Adjustable Throat.

	Each
No. 15—7 in. Long, 1⅝ in. Cutter, Endwise Screw and Lateral Lever Adjustment, Japanned Trimmings, Weight Each 1⅝ Lbs.	$1.20
No. 16—6 in. Long, 1⅝ in. Cutter, Nickel Trimmings, Otherwise Same as No. 15	1.25

One in a Box.

Knuckle Joint, Adjustable Throat, Nickel Plated Trimmings.

	Each
No. 18—6 in. Long, 1⅝ in. Cutter, Endwise Screw and Lateral Lever Adjustment, Weight Each 1½ Lbs.	$1 30

The Knuckle Joint in the cap makes it also a lever, and placing the cap in position clamps the cutter securely to its seat. One in a Box

IRON BLOCK PLANES

STANLEY'S

Black Japanned Iron Frame, Polished Face, Japanned Sides, Best Quality English Steel Cutter, Tempered and Ground, Honed Ready for Use.

No. 101.

No. 100.

No. 102.

No. 103.

Each

No. 101—3½ in. Long, 1 in. Cutter, Non-Adjustable, Weight Each ¼ Lb.....$0 20

No. 100—3½ in. Long, 1 in. Cutter, Non-Adjustable, Handled, Weight Each ⅜ Lb..... 25

No. 102—5½ in. Long, 1⅝ in. Cutter, Non-Adjustable, Weight Each ⅞ Lb.....$0.40

No. 103—5½ in. Long, 1⅝ in. Cutter, Endwise Lever Adjustment, Weight Each ⅞ Lb..... .55

One in a Box.

Black Japanned Iron Frame, Polished Face and Sides, Best Quality English Steel Cutter, Tempered and Ground, Honed Ready for Use.

No. 110.

No. 120.

No. 220.

Each

No. 110—7⅛ in. Long, 1⅝ in. Cutter, Non-Adjustable, Applewood Knob, Weight Each 1⅜ Lbs..$0.55

No. 120—7⅛ in. Long, 1⅝ in. Cutter, Endwise Lever Adjustment, Rosewood Knob, Weight Each 1⅝ Lbs..... .75

One in a Box

No. 220—7½ in. Long, 1⅝ in. Cutter, Rosewood Knob, Endwise Screw Adjustment.....$0.75

This Plane is in many ways better adapted for average use than any of the cheaper block planes made. It is ground on both bottom and sides.

Weight Each 1½ Pounds.

One in a Box.

Low Angle, Adjustable Throat, with "Hand-y" Feature.

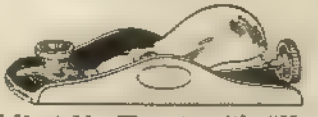
Each

No. 60—6 in. Long, 1⅝ in. Cutter, Endwise Screw Adjustment, Nickel Plated Trimmings, Weight Each 1¼ Lbs.....$1 25

No. 60½—With Japanned Trimmings. Otherwise Same as No. 60..... 1.10

In the Low-Angle Planes the cutter rests on its seat at an angle of only 12 degrees. This angle permits of great ease in working across the grain on hard woods. They have adjustable throats, which allow of the opening or closing of the mouth, as coarse or fine work may require The "Hand-y" feature aids very materially in providing a firm grip for the hand of the user.

One in a Box.



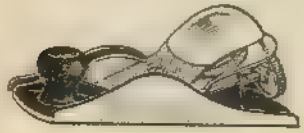
Low Angle, Adjustable Throat, with "Hand-y" Feature.

Each

No. 65—7 in. Long, 1⅝ in. Cutter, Endwise Screw Adjustment, Nickel Plated Trimmings, Weight Each 1⅜ Lbs.....$1 35

No. 65½—With Japanned Trimmings. Otherwise Same as No. 65..... 1 20

RABBET AND BLOCK



Each

No. 140—7 in Long, 1¾ in Cutter, Rosewood Knob, Nickel Plated Trimmings, with Detachable Side, Weight Each 1⅛ Lbs..... $1 40

The detachable side will easily change this tool from a Block Plane to a Rabbet Plane, or vice versa The cutter is set on a skew and is adjustable endwise.

One in a Box

Double End.

Each

No. 130—8 in. Long, 1⅝ in. Cutter, Hardwood Knob, Weight Each 1⅝ Lbs $0 75

This Plane has two Slots and two Cutter Seats. By reversing the position of the Cutter and the Clamping Wedge, it can be used close up into the corners, or other difficult places.

One in a Box.

Adjustable Double End.

Each

No. 131—8 in. Long, 1⅝ in. Cutter, Rosewood Knob, Endwise Screw Adjustment, Weight Each 1½ Lbs. $1 50

A combination Block and Bull Nose Plane Has two slots and a movable cutter seat. Use center cutter seat and slot for ordinary block plane work. For use as a bull nose plane remove the cap and cutter, reverse the cutter seat by throwing over the adjusting wheel, replace the cap and cutter in the new position. Fitted with the well known "Hand-y" feature on the sides, forming a convenient grip for the hand.

One in a Box.

ALARM CLOCKS

Seamless Brass Case, Roll Front, Nickel Plated, Bell Metal Gong on Back.

Each

Junior Tattoo—One Day Time Movement, Intermittent, 2½ in. Dial, Width 2¼ in., Height 3¼ in., Rings Intermittently Every 20 Seconds for 5 Minutes, with Alarm or Silent Switch.....$....

With Radium Dial.

Radium Dials and Hands Show the Time in the Dark. The Clock for Night Use.

Seamless Brass Case, Roll Front, Nickel Plated, Bell Metal Gong on Back.

Each

Radium Junior Tattoo—One Day Time Movement, Intermittent, 2 in. **Radium Dial**, Width 2¼ in., Height 3¼ in., Rings Intermittently Every 20 Seconds for 5 Minutes, with Alarm or Silent Switch .....$....

Seamless Brass Case, Roll Front, Nickel Plated, Bell Metal Gong on Back.

Each

Tattoo—One Day Time Movement, Intermittent, 4⅛ in. Dial, Width 4⅛ in., Height 6¼ in., Rings Intermittently Every 20 Seconds for 15 Minutes, with Alarm or Silent Switch.....$....

With Radium Dial.

Radium Dials and Hands Show the Time in the Dark The Clock for Night Use

Seamless Brass Case, 4⅛ in. Wide, Highly Polished and Nickel Plated, 3¾ in. Bell Metal Gong on Back.

Each

Radium Slumber Stopper—One Day Time Movement, 3¾ in. **Radium Dial**, Bowed Glass, Height 5⅝ in., with Silent Switch on Top for Stopping Alarm .....$....

Brass Case, Nickel Plated and Highly Polished, Bell on Top.

Each

Our Leader—30 Hour Time Movement, Perfect Alarm Adjustment, 4 in. Dial, Height 6 in., with Shut-Off Switch ..... $. ..

The bell on these clocks has a loud, clear tone and a long enough ring to arouse the soundest sleeper.

Tells the Time in the Dark.

Numerals and Hands Coated with Radio-Luminous Material and Glow Brilliantly.

Seamless Drawn Brass Case, Nickel Plated and Highly Polished, 4 in. Diameter Bell on Back.

Each

No. 1—Eska, One Day Movement, Continuous, 4 in. Dia. Width 4 in. Height 6 in., with Shut-Off Attachment .....$....

Radio-Luminous Dial.

Seamless Drawn Brass Case, Nickel Plated and Highly Polished, 4 in. Diameter Bell on Back

Each

No. 1R—Radile, One Day Movement, Continuous, 4 in. Dia. Width 4½ in. Height 6 in. with Shut Off Attachment .....$. ..

ALARM CLOCKS

Seamless Drawn Brass Case, Heavily Nickel Plated and Polished.

Each

No. 4532—Gilbert Ohio, 30 Hour Intermittent Long Alarm Movement. Plain Jet Black Numerals. Clear Cut Hands. Width 5¼ in. Height 6¼ in. Large Clear Toned Bell on Back. Positive Plunger Shut-Off .....$....

Rings automatically every 24 hours. Alarm Stopped by pressing button in ring handle, which automatically sets it to ring again in 24 hours. permanent alarm shut-off on back

Symmetrical Case of Seamless Drawn Brass, Heavily Nickel Plated and Polished, Runs Nine Days.

Each

No. 4535—Gilbert Nine. Nine Day Automatic Run Engraved Dial with Heavy Raised Jet Black Numerals and Clear Cut Hands. Width 5¼ in. Height 7 in., 24 Hour Alarm. Indicating Dial for A. M. or P. M. Settings with Second Hand..$....

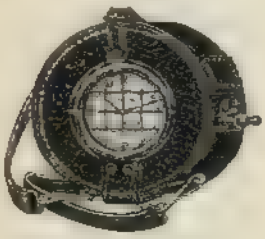
WATCHMAN'S PORTABLE CLOCK SYSTEM

"ALERT"

Labeled by the National Board of Fire Underwriters.

The Associated Factory Mutual Fire Ins. Co.'s.

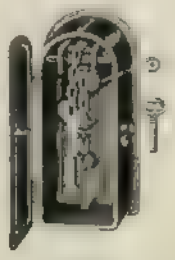
The purpose of a Watchman's Clock is twofold: insurance and assurance. The Fire Insurance Underwriters allow a considerable reduction in rate where a watchman is employed equipped with an approved Watchman's Clock. The "Alert" Watchman's Clock is an assurance to you that your watchman actually renders the service for which he is paid.



No. 15 Alert Clock.

No. 15—Model "B" Station.

No. 17—Model "C" Station.



No. 14—Model "A" Station

The case of the **"Alert"** clock is aluminum making it light and durable and preventing tarnish or injury from grease and acids. It is provided with a patented detective lock which makes it impossible to lock or unlock the clock without detection.

The movement is designed and manufactured in accordance with the most stringent requirements for accuracy and endurance. It has an 8 even-jewel escapement which assures correct time keeping. It has a patented spring-driven dial carrier which prevents the watchman from stopping the movement by leaving the recording key in the clock.

The movement is interchangeable, meaning that an extra one may be kept on hand to prevent interruption of the service or that one may be sent from the factory for use while the original one is being cleaned and oiled. This feature is exclusive; and it is indispensable for maintaining continuous service.

Unless otherwise ordered, clocks are arranged for 12-hour dials. Clocks may be arranged for 24 hour dials without extra cost.

The installation of the system consists merely of fastening the stations in their respective position with screws and patented metal seal. There is no wiring. With the "Alert" Clock three models of stations are optional (as described below). There is only one size and model of Alert Clocks regardless of the number of stations used with it.

The cost of a complete system is arrived at by adding to the price of the clock the required number of stations at the price of the model selected for your requirements.

Each

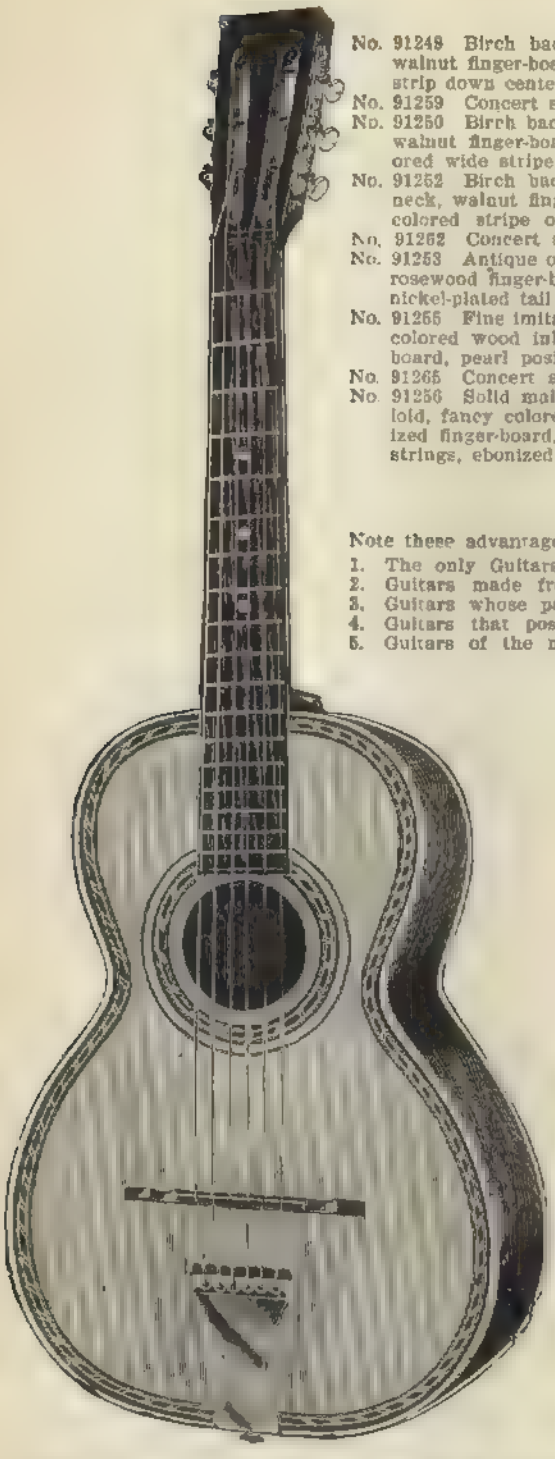
No. 12—"Alert" Clock, Size 5½x5½x2½ in., with Leather Pouch and Wire Grills to Protect Crystal and One Year's Supply of Paper Dials. Weight 2¾ Lbs.....$45.00

No. 15—Model "B" Station (the Standard for Inside Use). Size of Box 2x4x1 in., Drop Cover. Complete with Patented Metal Seals..... 1.50

No. 17—Model "C" Station (Lock Box and Practical for Use at Exterior Points). Size 2½x6x2 in., with Master Key for Unlocking and Patented Metal Seals..... 2.00

No. 14—Model "A" Station (Lock Box for Exterior Points and for Interior Points where Station Will be Fastened to Walls that are Likely to be Damaged by the Watchman Dropping the Recording Key Instead of Hanging it up), Size 2½x6x2 in., with Master Key for Unlocking and Patented Metal Seals..... 2.50

GUITARS



No. 91248 Birch back and sides, enlarged model, rosewood finish, imitation mahogany neck, walnut finger-board, pearl position dots, inlaid sound-hole, strung with steel strings, broad strip down center of back.....Each $ 7 00

No. 91259 Concert size, same description as 91249.....Each 8.25

No. 91250 Birch back and sides, enlarged model, mahogany finish, imitation mahogany neck, walnut finger-board, pearl position dots, inlaid sound-hole, nickel-plated tail piece, fancy colored wide stripe on back, strung with steel strings .....Each 7.00

No. 91252 Birch back and sides, enlarged model, imitation rosewood finish, mahogany finish neck, walnut finger-board, pearl position dots, inlaid sound-hole, celluloid bound edge, fancy colored stripe on back, nickel plated tail piece, strung with steel strings.....Ea h 8.25

No. 91262 Concert size, same description as 91252 .....Each 9 75

No. 91253 Antique oak back and sides, enlarged model, rubbed finish, imitation mahogany neck, rosewood finger-board, pearl position dots, inlaid sound-hole, fancy colored wood stripe in back, nickel-plated tail piece, strung with steel strings .....Each 9.75

No. 91255 Fine imitation rosewood finish, back and front edges neatly bound with celluloid, fancy colored wood inlaying around sound-hole and edges and down center of back, ebonized finger-board, pearl position dots, brass patent heads, metal tail piece, steel strings.....Each 11.25

No. 91265 Concert size, same description as 91255 .....Each 12.75

No. 91256 Solid mahogany, dark finished, hand rubbed, both edges neatly bound with white celluloid, fancy colored wood inlaying around sound-hole and edges and down center of back, ebonized finger-board, pearl position dots, rosewood veneered head piece, brass patent heads, steel strings, ebonized bridge .....Each 13.75

AMERICAN MAKE GUITARS

Note these advantages in purchasing Guitars of our make. You secure for your trade:

1. The only Guitars having a mathematically correct finger-board
2. Guitars made from thoroughly seasoned material by skilled workmen, working in daylight.
3. Guitars whose patent heads have no "lost motion."
4. Guitars that possess a clear, far-carrying musical tone.
5. Guitars of the most graceful model ever designed.

STANDARD SIZE.

No. 9490 Mahogany finish back and sides, hand-polished, spruce top, fancy colored wood inlaying around sound-hole, edge inlaid and bound with celluloid, neck mahogany finish, finger-board with pearl position dots, our own make nickel-plated patent head, No 930 metal tail piece, nickel plated, strung with steel strings.....Each $9.75

No. 9505 Dark mahogany finish back and sides, hand polished, spruce top, fancy colored wood inlaying around sound-hole, edge inlaid with fancy colored woods and bound with celluloid, neck mahogany finish, finger-board with pearl position dots, our own make nickel plated patent head, No 930 metal tail piece, nickel plated, strung with steel strings..Each 10.75

No. 9615 Birch back and sides, dark mahogany finish, hand polished, spruce top, broad, fancy colored wood inlaying around sound hole and edge, top and back edges bound with celluloid, neck mahogany finish, finger-board with pearl position dots, our own make nickel-plated patent head, No. 930 metal tail piece, nickel plated, strung with steel strings.....Each 11.25

THREE-QUARTER SIZE

No. 9610 Same description as No. 9615, Three-Quarter Size, strung with steel strings on metal tail piece No 930.....Each 11.25

STANDARD SIZE.

No. 9620 Beautifully figured birch back and sides, dark mahogany finish, hand polished, spruce top, fancy colored wood inlaying around sound-hole, corded inlaying on edge, top and back edges bound with celluloid, fancy inlaid stripe in back, neck mahogany finish, veneered head piece, rosewood finger-board, pearl position dots, our own make nickel plated patent head, No. 935 metal tail piece, nickel plated, strung with steel strings ..... Each 15.25

No. 9725 Birch back and sides, rosewood finish, spruce top, broad fancy colored corded wood inlaying around sound-hole and edge, top and back edges bound with white celluloid, fancy colored stripe in back, body grained a rich rosewood and beautifully finished, neck mahogany finish, veneered head piece, rosewood finger-board, pearl position dots, our own make nickel-plated patent head, No. 935 tail piece, nickel-plated, strung with steel strings .....Each 12.75

No. 9965 Mahogany back and sides spruce top broad fancy colored wood inlaying around sound-hole top edge inlaid with fancy colored wood and bound with white celluloid, body finished a beautiful shade of light mahogany, hand polished neck mahogany finish, finger-board with pearl position dots, our own make nickel plated patent head, No. 930 metal tail piece nickel plated strung with steel strings.....Each $13.25

No. 9980 Beautiful figured dark mahogany back and sides hand polished broad fancy corded colored wood inlaying around sound-hole and edge, top and back edges bound with white celluloid, broad fancy corded stripe in back, mahogany neck rosewood veneered head piece ebony finger-board bound with celluloid, and pearl position dots our own make nickel plated patent head, ebony bridge, strung with gut strings.....Each 21.25

No 9849 Quartered oak back and sides, hand polished spruce top broad fancy colored wood inlaying around sound hole, edge inlaid with broad fancy colored wood inlaying and bound with white celluloid, neck mahogany finish finger board has pearl position dots our own make nickel plated patent head, No 910½ metal tail piece nickel plated, strung with steel strings Each 11 25

No. 9846 Quartered oak back and sides, hand polished, spruce top broad fancy colored wood inlaying around sound hole top and back edges inlaid with broad stripe of fancy colored wood and bound with white celluloid broad stripe of fancy colored wood inlaying down center of back, neck mahogany finish, veneered head piece, rosewood finger board, pearl position dots, our own make nickel-plated patent head and metal tail piece, strung with steel strings.....Each 15 25

CONCERT SIZE.

No 9860 Concert Size.—Beautiful Danish oak back and sides, spruce top broad corded fancy colored wood and celluloid inlaying around sound-hole top and back edges bound with white celluloid, fancy colored wood stripe in back mahogany neck rosewood veneered head piece, body and neck beautifully hand polished ebony finger board bound with celluloid pearl position dots our own make nickel plated patent head, ebony bridge, strung with gut strings . . . . . Each 18 75

BANJOS

Nos. 91109-91124.

No. 9739

No. 9831

No. 9839.

10-INCH.

No. 9607 Nickel shell, wood lined, calfskin head, 7 nickel-plated hexagon brackets, single wired edge shell, raised frets, position dots, imitation mahogany neck.....Each $ 6.75
No. 9609 Same description as No. 9607, with 9 nickel brackets .....Each 7.00

11-INCH.

Nickel Shells, Wood-Lined, Calfskin Heads.

No. 91109 13 nickel-plated hexagon brackets, raised frets, birch neck ..... Each $ 7.25
No. 91110 17 nickel-plated hexagon brackets, raised frets, birch neck ..... Each 7.75
No. 91111 25 nickel-plated hexagon brackets, raised frets, birch neck..... Each 8.75
No. 91122 25 nickel-plated hexagon brackets, raised frets, birch neck, wired edge ..... Each 9.25
No. 91124 39 nickel-plated hexagon brackets, raised frets, birch neck, wired edge ..... Each 10.75

11-INCH AMERICAN MAKE BANJOS

DOUBLE WIRED EDGE.

No. 9825 Nickel-Plated, Double Wired Shell, 10½ inches in diameter, 3 octave scale, 25 hexagon brackets, rabbeted top band, calfskin head, mahogany finished neck, heavy ebony finger-board and head piece, pearl position dots, black pegs, nickel-plated tail piece.....Each $15.25
No. 9831 Same description as No. 9825, with 31 brackets .....Each 17.25

THE IMPROVED MYSTIC.

No. 9731 Wired Nickel-Plated Shell, wood-lined, 11 inches in diameter, 3 octave scale, 31 elbow brackets, calfskin head, rabbeted top band, neck mahogany finished, ebony finger-board and head piece, inlaid with large figure, white celluloid pegs, nickel-plated tail piece.....Each $17.25
No. 9739 Same description, with 39 brackets.....Each 18.25

These Banjos are made with extra care, are handsomely ornamented, carefully adjusted and are intended to supply the want of a well-made professional instrument at a medium price.

No. 9826 Nickel Plated Double Wired Shell, wood lined, 11 inches in diameter, 3 octave scale, 25 elbow brackets, heavy rabbeted top band, calfskin head, imitation cherry neck, heavy ebony finger-board and head piece, inlaid with elaborate pearl figures, patent pegs, nickel plated tail piece..... Each 25 75
No. 9839 Same description as No. 9826, with 39 brackets..... Each 29.50

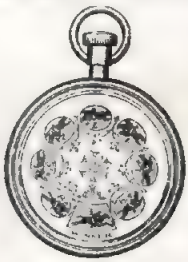
No. 9824.

PROFESSIONAL.

No. 9832 Nickel-Plated Double Wired Shell, wood lined, 3 octave scale, 11 inches in diameter, 31 elbow brackets, heavy rabbeted top band, extra fine calfskin head, dark mahogany finished neck, heavy ebony finger-board and head, beautifully inlaid with Japan pearl figures, fancy white pegs, best quality of strings, special bridge, nickel-plated tail piece..... Each $28 25
No. 9833 Nickel-Plated Double Wired Shell, wood lined, 3 octave scale, 11 inches in diameter, 31 elbow brackets, Rogers calfskin head, heavy rabbeted top band, carved mahogany neck, heavy ebony finger-board, pearl piece and head, beautifully inlaid with Japan pearl, engraved, patent pegs, special bridge, best quality of strings, new style nickel-plated tail piece..... Each 30 75
No. 9824 Heavy Curly Maple Shell, bottom edge rounded with ebony and inlaid with fancy design. Top part has metal rings on which the head rests. 24 Premier brackets, metal grooved top band, beautiful curly maple neck with heavy ebony finger-board and heel piece; back of head covered with ebony, also ebony strip down center, colored wood strips under all ivory parts giving a very decided contrast, elaborately engraved pearl figure in the head piece, also fancy pearl figures in finger-board, patent pegs, selected strings, special bridge, and an entirely new design tail piece..... 50 75

PEDOMETERS, COUNTERS, ETC.

No. 5½



No. 10

No. 8

THE AMERICAN PEDOMETER

A pedometer measures and registers every step you take. All sportsmen, golf players, pedestrians, in fact everybody that walks, wants one. It is carried on the waist band or attached to the pocket. It resembles a watch in size and appearance. Regulated to accord with the step. Each one is guaranteed.

No. 5. With 10-mile dial. Each $ .85 **No. 5½.** With 100-mile dial, Each **$1.00**

No. 7. Extra high-grade. Made with 100-mile dial. Adjustments are fine and accuracy is assured. Has porcelain dial and hinge back....Each **1.75**

WHICH HORSE WINS?

Eight horses spin when you press the crown and there is no telling which will win. After the dial stops the lucky number appears at the bottom.

No. 10. A popular new pocket game. Watch size, nickel plated....Each $ .75

POCKET ROULETTE

This miniature roulette wheel, marked and numbered in red and black is the size of an ordinary watch, with nickel plated case. It is a stem winder and when you press the crown the hand spins. It stops by releasing the crown quickly.

No. 8. No telling in advance where the pointer will indicate.....Each $ .75

WATCH MODEL AUTOMATIC COUNTERS

No. 9

It counts consecutively from 1 to 9999 and repeats. Operated by pressing the crown, and can be set back to "0" from the back. Useful in many ways. It is the size of an ordinary watch and finished in triple nickel plate.

No. 9. Each.....$1 25

No. 6

BENTON'S TALLY REGISTER

They are very simple in construction, can be carried in the pocket, are the size of an ordinary watch, and weigh about four ounces. They can be set to zero any time a new count is desired by turning a knob or key. They can be used for any purpose where a correct count is desired.

No. 6. 1 to 1,000.....Each **$2.50** **No. 1.** 1 to 10,000.....Each **$3.50**

Delivery Prepaid If Cash is Sent with Order at Above Prices

PLAYING CARDS

STEAMBOAT CARDS

Round corners, two color plaids, blue or green star, and wave backs.

No. **999.** Per Gross **$12.00** Per Deck....**$ .10**

PICKET CARDS

A hard finished card that gives good satisfaction Octopus, Fort and Post backs in red and blue.

No. **515.** Per Gross..**$15.00** Per Deck..**$ .15**

TOURIST CARDS

A good quality. Hard process finish. Backs, red, blue, green and brown.

No. **155.** Tourist.....Per Gross... **$20.00** Per Deck.....**$ .20**

BICYCLE PLAYING CARDS

Bicycle, ivory finish, thin and flexible; bicycle, motorcycle, automobile and other popular designs. Used in card-playing countries all over the world.

No. **808.** Per Gross.. ... **$30.00** Per Deck.....**$ .25**

SPORTSMAN CARDS

Double enameled, linen stock, air cushion finish, club faces, large indexes inlaid backs on enameled tints.

No. **202.** Sportsman. Per Gross **$42 00** Per Deck.....**$ .35**

FIVE HUNDRED

Air cushion finish, linen stock. 11 and 12 spots. Red and blue backs.

No. **500.** Per Gross.....**$42.00** Per deck of 61 cards.....**$ .35**

WHIST, FRENCH SIZE

French size, 2¼x3½ aluminum surface. Designed especially for regular, bridge and duplicate whist; printed in beautiful combinations of colors.

No. **133.** Per Gross.....**$30 00** Per Deck.....**$ .25**

JUMBO BRIDGE

Very popular with bridge players, but suitable for all card games.

No. **88** Easily read, large index. Per Gross..**$42.00** Per Deck ....**$ .35**

PINOCHLE

Pinochle, 9 spot low, regular style, good quality. Ivory or air cushion finish.

No. **300.** Per Gross..... .**$27.00** Per Deck of 48 Cards.....**$ .25**

Pinochle, extra quality, German, size 2¼x3¾, backs in blue and red, 7 spot low.

No. **930.** Per Gross.....**$42.00** Per Deck of 64 cards. .....**$ .35**

147—AVIATION MEET.

CONGRESS PLAYING CARD

Made of finest linen stock, highly finished enamel gold edges.

Grace	Diana	Venice
Canyon	Powhatan	Honeymoon
The Forager	Five A.M.	Dutch Mill
Golden Sunset	Morning Dip	Virginia
Mona Lisa	Aviation Meet	Stung
Rapids	Ruth	Silvery Moon
Night	"1776"	Gee

No. **606.** Regular Congress, per gross**$54.00**
Per Deck..... **45**

No. **64.** Pinochle Congress, gross. **54 00**
Per Deck..... **.45**

154—FIVE A. M.

NILE FORTUNE CARDS

Gold edges, linen stock; highly finished enamel. A new pack of fortune-telling cards; tinted panel faces with the meaning of each card printed on its face; rules in each pack. Complete for playing all card games.

No. **68X** Per Gross.....**$51.00** Per Deck.....**$.40**

Postage on cards, per deck, 5c.

"AMERICAN" STEEL SPLIT PULLEYS

Flat "X" braced arms (edge on) give perfect rigidity and least air resistance
Grooved air escape improves belt contact, yet the face is not weakened
Rim One thickness of steel Snugly doweled at the joints Combines lightness with durability
Tight clamping hub eliminates key-way and set screw. Fits different shafts by use of interchangeable bushings, which are immovably fixed by interlocking device.
Inside flange, to which ends of arms are riveted, secures extraordinary strength and trueness
No need to strip the shaft Fit two halves of pulley together, then tighten clamping bolts evenly.
Arm rivets do not go through face, with possible protrusion of rivets.
Rolled bead on rim, strengthens face at edge

This illustration shows some of the points that make "American" pulleys power, time, and money savers "American" pulleys of 3 inch, 4 inch and 5 inch diameters are the smallest metal split pulleys made in standard sizes. The illustration shows a type used in diameters from 25 to 42 inches "American" pulleys having diameters from 44 to 60 inches are constructed with 8 arms instead of 6. Large sized pulleys, with faces wider than 10 inches, up to and including 28 inch face, are made with a double set of 8 arms. Pulleys with 30 inch face, up to and including 36 inch face, are made with triple sets of arms

BUSHINGS FOR TIGHT AND LOOSE PULLEYS

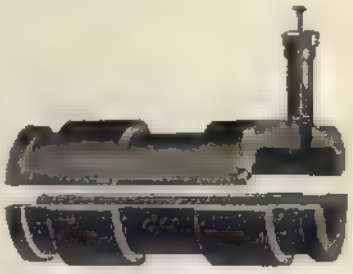
For running "American" pulleys tight and loose, we recommend the use of our Split Loose Bushing, fitted with Hart's Positive Lubricator, or Roberts' Patent Self Oiling Bushing

Roberts' Patent Self Oiling Loose Bushings
Made for
The American Pulley Co. Only

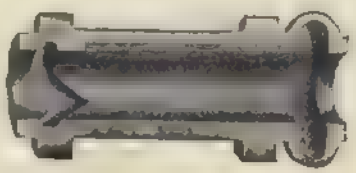
Price List

Standard Outside Diameter of Bushing Corresponding to Bores of Pulleys, Inches	Inside Bores of Bushings Inches	Length of Bushing Inches	For Pulley Face as Given in this Column Inches	Price
1¼	½—⅞	⅜ × ⅝	2	$ 1 75
		½ × ⅝	3—4	2 00
1½		⅜ × ⅝	2	2 00
4—5 Dia Pulley	½—1⅞	⅝ × ⅝	3	2 25
		½ × ⅝	4—5	2 50
1¾		⅜ × ⅝	3	2 25
6 Dia. Pulley	½—1¾	⅝ × ⅝	4	3 11
		¾ × ⅝	5	3 40
		*¾ × ⅝	6	3 75
		½ × ¾	3	2 75
2⅛	1—1⅜	⅝ × ¾	4	3 10
		¾ × ¾	5	3 40
		*¾ × ¾	6	4 50
		⅝ × ⅞	4	3 10
2⅜	1—2⅛	¾ × ⅞	5	3 65
		⅞ × ⅞	6	5 10
		1 × ⅞	8	6 00
		⅝ × 1	4	3 60
		¾ × 1	5	4 75
3⅞	1⅞—2⅛	⅞ × 1	6	5 90
		1 × 1	8	6 70
		*1 × 1	10	8 30
		*1 × 1	12	8 75
		1 × 1	6	6 80
4⅞	1⅛—3⅞	1 × 1	8	8 50
		*1 × 1	10	9 60
		*1 × 1	12	10.00

In sizes marked with * Collars are supplied to go between tight and loose pulleys. † Special Bar ⅞ inches wide
Subject to discount


Split Loose Bushing

Roberts' Patent Self Oiling Bushing


Roberts' Bushing (Sectional View)

"AMERICAN" ALL WROUGHT STEEL SPLIT PULLEYS

FACE IN INCHES

Diameter	2"	3"	4"	5"	6"	8"	10"	12"	14"	16"	18"	20"	22"	24"	26"	28"	30"	32"	34"	36"
3	$2.28	$2.40	$2.52																	
4	2.40	2.52	2.64	$2.75																
5	2.52	2.64	2.76	2.87																
6		2.88	3.00	3.12	$3.25															
7	2.88	3.00	3.12	3.25	3.37															
8	3.00	3.12	3.24	3.37	3.49	$3.60	$3.72	$3.85												
9	3.12	3.24	3.36	3.49	3.61	3.72	3.84	3.97												
10	3.25	3.37	3.49	3.61	3.73	3.85	3.97	4.09	$4.22											
12	3.49	3.61	3.73	3.85	3.97	4.09	4.21	4.33	4.46											
14	3.73	3.85	3.97	4.09	4.21	4.33	4.45	4.57	4.70	$4.82										
15	3.85	3.97	4.09	4.21	4.33	4.45	4.57	4.69	4.82	4.94										
16	3.97	4.09	4.21	4.33	4.45	4.57	4.69	4.81	4.94	5.06	$5.18									
17		4.21	4.33	4.45	4.57	4.69	4.81	4.93	5.06	5.18	5.30									
18	4.21	4.33	4.45	4.57	4.69	4.81	4.93	5.05	5.18	5.30	5.42	$5.54								
20	4.45	4.57	4.69	4.81	4.93	5.05	5.17	5.29	5.42	5.54	5.66	5.78	$5.90							
22	4.69	4.81	4.93	5.05	5.17	5.29	5.41	5.53	5.66	5.78	5.90	6.02	6.14	$6.26						
24	4.93	5.05	5.17	5.29	5.41	5.53	5.65	5.77	5.90	6.02	6.14	6.26	6.38	6.50	$6.62					
26		5.29	5.41	5.53	5.65	5.77	5.89	6.01	6.14	6.26	6.38	6.50	6.62	6.74	6.86	$6.98				
28	5.17	5.29	5.41	5.53	5.65	5.77	5.89	6.01	6.14	6.26	6.38	6.50	6.62	6.74	6.86	6.98	$7.10			
30	5.41	5.53	5.65	5.77	5.89	6.01	6.13	6.25	6.38	6.50	6.62	6.74	6.86	6.98	7.10	7.22	7.34	$7.46		
32	5.65	5.77	5.89	6.01	6.13	6.25	6.37	6.49	6.62	6.74	6.86	6.98	7.10	7.22	7.34	7.46	7.58	7.70	$7.82	
34	5.89	6.01	6.13	6.25	6.37	6.49	6.61	6.73	6.86	6.98	7.10	7.22	7.34	7.46	7.58	7.70	7.82	7.94	8.06	$8.18
36	6.13	6.25	6.37	6.49	6.61	6.73	6.85	6.97	7.10	7.22	7.34	7.46	7.58	7.70	7.82	7.94	8.06	8.18	8.30	8.42
38	6.37	6.49	6.61	6.73	6.85	6.97	7.09	7.21	7.34	7.46	7.58	7.70	7.82	7.94	8.06	8.18	8.30	8.42	8.54	8.66
40	6.61	6.73	6.85	6.97	7.09	7.21	7.33	7.45	7.58	7.70	7.82	7.94	8.06	8.18	8.30	8.42	8.54	8.66	8.78	8.90
42	6.85	6.97	7.09	7.21	7.33	7.45	7.57	7.69	7.82	7.94	8.06	8.18	8.30	8.42	8.54	8.66	8.78	8.90	9.02	9.14
44	7.09	7.21	7.33	7.45	7.57	7.69	7.81	7.93	8.06	8.18	8.30	8.42	8.54	8.66	8.78	8.90	9.02	9.14	9.26	9.38
46	7.33	7.45	7.57	7.69	7.81	7.93	8.05	8.17	8.30	8.42	8.54	8.66	8.78	8.90	9.02	9.14	9.26	9.38	9.50	9.62
48	7.57	7.69	7.81	7.93	8.05	8.17	8.29	8.41	8.54	8.66	8.78	8.90	9.02	9.14	9.26	9.38	9.50	9.62	9.74	9.86
50	7.81	7.93	8.05	8.17	8.29	8.41	8.53	8.65	8.78	8.90	9.02	9.14	9.26	9.38	9.50	9.62	9.74	9.86	9.98	10.10
52	8.05	8.17	8.29	8.41	8.53	8.65	8.77	8.89	9.02	9.14	9.26	9.38	9.50	9.62	9.74	9.86	9.98	10.10	10.22	10.34
54	8.29	8.41	8.53	8.65	8.77	8.89	9.01	9.13	9.26	9.38	9.50	9.62	9.74	9.86	9.98	10.10	10.22	10.34	10.46	10.58
56	8.53	8.65	8.77	8.89	9.01	9.13	9.25	9.37	9.50	9.62	9.74	9.86	9.98	10.10	10.22	10.34	10.46	10.58	10.70	10.82
58	8.77	8.89	9.01	9.13	9.25	9.37	9.49	9.61	9.74	9.86	9.98	10.10	10.22	10.34	10.46	10.58	10.70	10.82	10.94	11.06
60	9.01	9.13	9.25	9.37	9.49	9.61	9.73	9.85	9.98	10.10	10.22	10.34	10.46	10.58	10.70	10.82	10.94	11.06	11.18	11.30

DOUBLE ARM — TRIPLE ARM

For pulleys 14 inch to 24 inch diameter inclusive, when made on 4⅞ inch bore, add $2.92

For pulleys 25 inch to 30 inch diameter inclusive, 4 inch to 8 inch face inclusive, when made on 4⅞ inch bore, add $3.65

For pulleys 30 inch to 48 inch diameter inclusive, up to and including 16 inch face, when made on 6 inch bore, add $8.77.

For pulleys 30 inch to 48 inch diameter inclusive, with faces wider than 16 inch, when made on 6 inch bore, add $13.15

For pulleys 50 inch to 60 inch diameter inclusive up to and including 16 inch face, when made on 6 inch bore, add $5.84

For pulleys 50 inch to 60 inch diameter inclusive, with faces wider than 16 inch, when made on 6 inch bore, add $8.77

For key seating add 75 cents for pulleys to 16 inch face inclusive add $1.50 for pulleys with faces wider than 16 inch

For intermediate sizes, not listed, prices on application.

For single and double flange pulleys, prices on application.

Pulleys can be furnished from factory in 62, 64 and 66 inch diameter from 8 to 36 inch faces, and 70 and 72 inch diameter in 8, 10, 12, 14 and 16 inch faces.

*CAST IRON SPLIT LOOSE PULLEY BUSHINGS

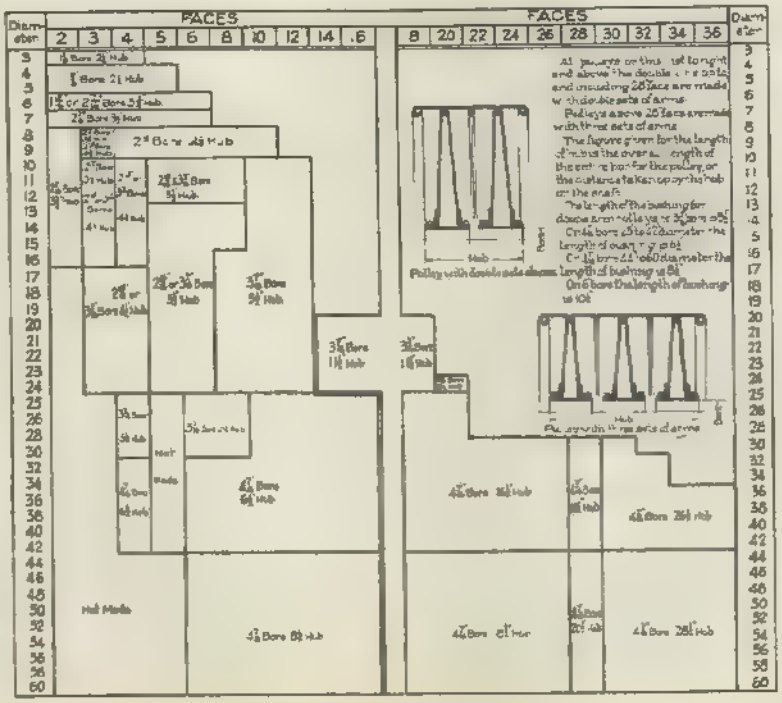
Standard O. S. Diameter of Bushing Corresponding Bores of Pulleys Inches	Inside Bores of Bushings Inches	Length of Bushings Inches	For Pulley Face as Given in this Column Inches	Price
*‡1	½—1⅛	3⅛	2	$1.50
		††3⅛	3—4	1.75
*‡1		3⅜	2	1.75
4 5 Dia. Pulley	⅛—1⅜	4⅜	3	2.00
		‡4⅜	4—5	2.25
*1⅛		4½	3	2.00
6 Dia. Pulley	⅛—1⅜	5½	4	2.75
		††5⅝	5—6	3.00
		4	3	2.45
*2⅛	1—1⅛	5⅝	4	2.75
		††5⅞	5	3.00
		††6⅜	6	4.00
		5⅜	4	2.75
*2⅛	1—2⅛	7⅛	5	3.25
		††6⅞	6	4.50
		††8⅛	8	5.30
		5⅜	4	3.20
		7⅛	5	4.20
*3⅛	1⅜—2⅛	††6⅞	6	5.20
		††8⅛	8	5.90
		††10⅛	10—12	7.35
		8	6	6.00
*4⅞	1⅜—3⅛	††8¼	8	7.50
		‡11¼	10—12	8.50
		11⅛	14—16	8.50

In sizes marked with †† Collars are supplied to go between tight and loose pulleys. ‡Special Collar ⅞ inch wide. ‡No Lubricator supplied for these sizes—Oil Hole provided in Loose Bushings

Subject to discount

*Not carried in stock; can be shipped promptly from factory

TABLE OF "AMERICAN" HUBS AND BORES



*AMERICAN WOOD TURNING LATHES

Our **Wood Lathes** possess every desirable improvement and convenience; they are well built, neatly finished and will stand the hardest kind of turning

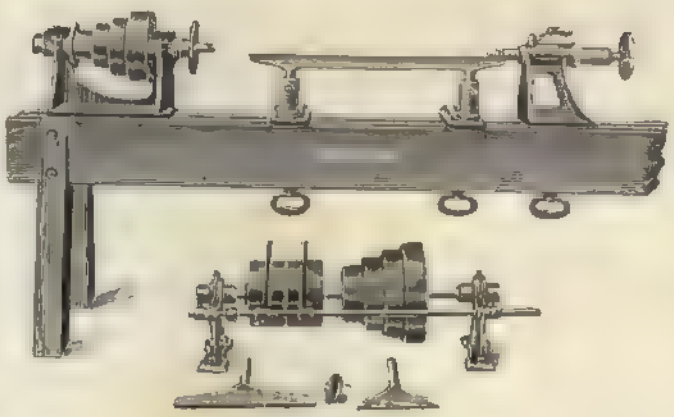
The Head and Tail Stocks are made heavy and rigid, so as not to spring or chatter when running. The bottoms of the head and tail stocks are planed on a mandrel, so that the centers come exactly in line when fitted to the shears.

The Spindles and Centers are made of the best steel The cone driving pulleys are made of iron. The bearings of the head stock spindle are lined with genuine babbitt

The Countershaft is complete with shifter, and will be furnished with iron or wood cone pulleys

The Parts Furnished with a single end lathe are the head and tail stocks, one each spur and conical center, one face plate, one screw face plate, two rest steps and three tool rests of different lengths, three clamps, legs for the stands and tail stock countershaft with shifter

The Double End Lathe, besides the above parts, is furnished with a floor stand with adjustable rest and one large rear face plate for turning large circles. Prices cover irons only



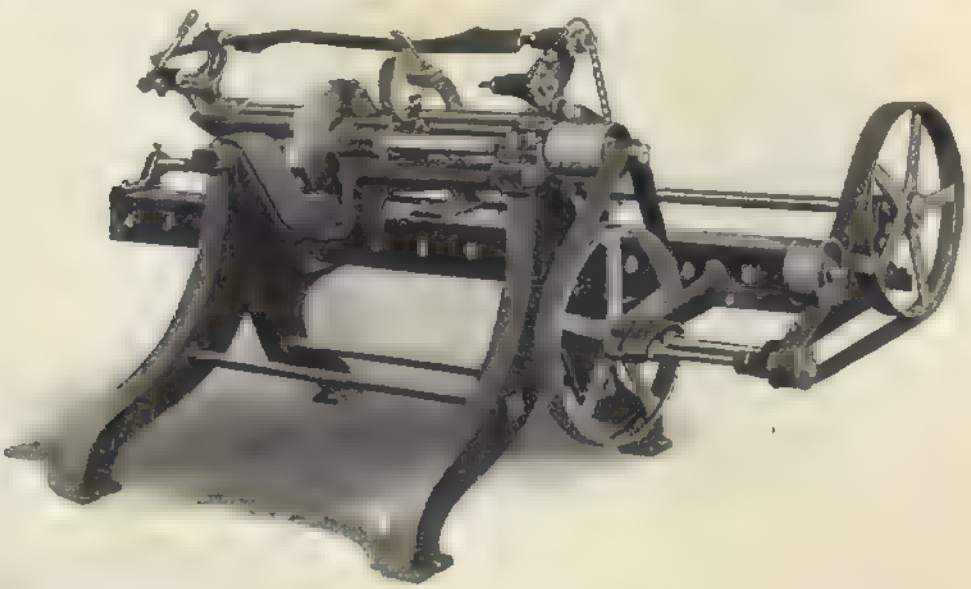
Single End Lathe

Dimensions and Prices

Swing, Inches	Face of Cones, Inches	Changes of Speed	T. and L. Pulleys, Inches	Speed of Countershaft	Weight	Price
12	2	4	6x3½	800	340	$ 70.00
16	2	4	8x4½	700	430	85.00
20	2½	5	10x4½	600	480	100.00
Double End Lathe, extra.						$16.00

*THE OBER LATHES

FOR HANDLES, SPOKES, WHIFFLETREES AND OTHER KINDS OF IRREGULAR WORK



No. 11..... .. each, $

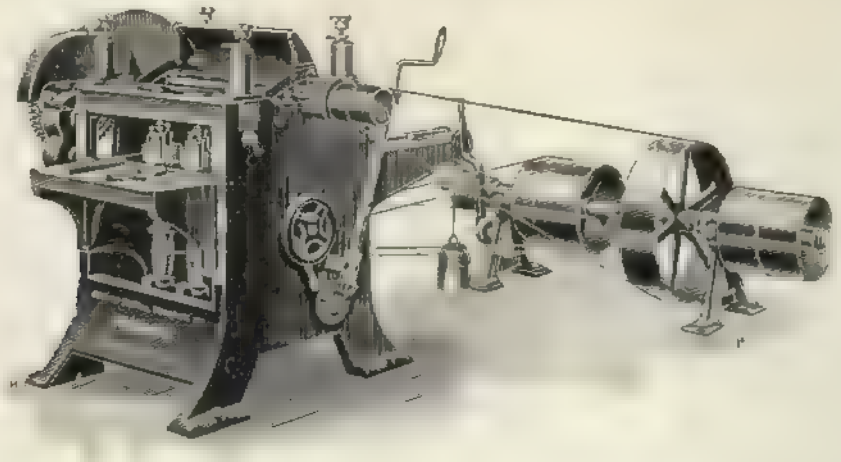
Approximate weight net, 1,350 pounds

Crated for shipment, 1,500 pounds.

A good countershaft is furnished with each lathe. It is all iron and steel, and requires about two horsepower. It is very simple, strong and durable. The regular lathe will turn from 8 to 36 inches in length. A special lathe is made to turn up to 42 inches. The tight and loose pulleys on the countershaft are 10 inches in diameter for 3 inch belt and should turn 1,000 revolutions per minute. The carriage is moved forward by lever and rack. When the work is mashed the carriage is moved out instantly, and is moved from the head by a lever and another lever draws back to its place. The head is so constructed that the knives will not gouge into the work nor all we sticks to get at them and break them. It will turn like a pattern, and can be made to turn larger or smaller by loosening a set nut and moving the pattern rest from or toward the head. The turning center on the pattern is in eccentric so that one end of the work can be made larger or smaller without changing the other end. It will turn from 27 to 30 crooked axe handles per hour and other work accordingly. Axe handles are finished in the lathe and are ready to go to the carver. This lathe will not turn porch spindles, table legs and that class of work.

*Not carried in stock; can be shipped promptly from factory.

*AMERICAN "TRIUMPH" PLANER, MATCHER AND MOULDER



This is a very compact, rigid machine and is designed to economize space and withstand the hardest usage as well as to do the best class of work. There is an entire absence of vibration so common in small planers of this class; hence, the work turned out is uniform and equal in quality to that of large, expensive machines. The workmanship and material throughout are of the highest grade. It is adapted to the use of saw mills and small planing mills having limited room and power where a machine is required for a large variety of work, such as planing and matching, beading, working flooring, ceiling, siding, casing, wainscoting, and a large variety of moulding and trim.

The Main Frame is amply proportioned and strongly ribbed, insuring the greatest strength and stiffness.

The Table is cast in one piece and is deep and strong, being heavily ribbed and braced on the under side. It is planed on top and has raised edges to prevent the material from slipping against the side frames. The sides are long and placed far apart, being fitted to the outer edges of the main frame to which they are gibbed, thus securing the greatest rigidity and least possible wear.

The Cylinder is made of special grade steel and is accurately milled on four sides, two of the sides being slotted to carry beading and moulding knives in addition to the regular planing knives which do not have to be removed when beading and moulding is being cut.

Matcher Spindles are usually large and run in long babbitted boxes, ample provision being made for thorough lubrication. The matcher frames are also very strong and are carried on 1⅛ inch round steel guides at top and bottom, provision being made to easily take up any wear or lost motion. One of the matcher spindles is adjustable by means of a hand wheel at the side of the machine and has an eccentric clamp for instantly securing it in any desired position.

Matcher Heads are made of a size of standard design and will carry matcher edges or moulding knives ⅛ inch thick and up to 2⅝ inches wide. Shimer heads can be used when desired. Moulding knives can also be used on the main cylinder where the cut is not over ⅜ inch deep.

Chip Breakers. A heavy adjustable chip breaker is located in front of the cylinder which also acts as a hood. It may be swung back to expose the knives. Each matcher head has a chip breaker, one of which is self adjusting.

Pressure Bar is adjustable and prevents any vibration of material between the cylinder and matcher heads. This bar and the front chip breaker may be set close to the cylinder for special smooth surfacing or can be set out as far as to clear moulding bits when used.

The Feed is simple, powerful and positive, with steel rolls 3 inches diameter, turned from the solid, the top feeding in rolls being fluted. It is driven by a belt from the countershaft to which a belt tightener is attached so that the operator can stop or start the feed at will. Two rates of feed are provided, namely 35 feet and 42 feet per minute, and the change from one to the other can be quickly and easily made.

Each planer and matcher is furnished with one pair of planer knives, one pair beading bits and one set standard matcher bits for 1 inch flooring.

The cut shows the machine Double Geared with both top and bottom rolls driven, but it is also furnished Single Geared with the top rolls only driven; see price list.

Specifications

	20 Inch Machine	24 Inch Machine
Planes any width up to	20 inches	24 inches
Planes any thickness from	⅜ inch to 6 inches	⅜ inch to 6 inches
Matches up to 2 inches thick and up to	10 inches wide	14 inches wide
Tight and loose pulleys (speed 800)	12 inches by 6 inches	12 inches by 6 inches
Floor space, including countershaft	8 feet 6 inches by 6 feet	8 feet 6 inches by 6 feet 4 inches
Distance from cylinder to countershaft	5 feet 6 inches	5 feet 6 inches
Shipping weight	2100 pounds	2500 pounds
Weight packed for export	2450 pounds	2900 pounds
Dimensions packed for export	81 cubic feet	85 cubic feet
Cylinder belt 6 inches wide	14 feet 9 inches long	14 feet 9 inches long
Feed belt 3 inches wide	16 feet long	16 feet long
Two matcher belts 3 inches wide, each	13 feet 8 inches long	13 feet 8 inches long

Belts are not furnished

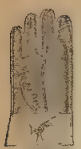
	20 Inch Machine	24 Inch Machine
Price, with Top Rolls only driven	$360.00	$420.00
Price, with Top and Bottom Rolls driven	390.00	450.00

*Not carried in stock; can be shipped promptly from factory.

COTTON GLOVES AND MITTENS

Used by Men in all Trades: Laborers, Mechanics, Farmers, Teamsters, Miners, etc.

COTTON GLOVES



MIZZOO TRADE MARK

White Canton Flannel, Hard Woven Wrist Band

Per Dozen Pairs

No. G12 [illegible] $1.20

Grey Canton Flannel, Hard Woven Wrist Band

Per Dozen Pairs

No. G14—Standard Weight, Nap Inside. Weight per Dozen Pairs 1½ lbs. $1.75

No. G14 ½—Heavy, Smooth Surface Outside, Nap on Inside. Weight per Dozen Pairs 2 lbs. 2.00

White Canton Flannel, Soft Knitted Brown Wrist Band

No. G3—Light Nap Inside. Weight per Doz. Pairs 1¼ lbs. $1.50

No. G4—Medium, Nap Inside; Weight per Doz. Pairs 1½ lbs. 1.70

No. G5—Lighter, Nap Outside; Weight per Doz. Pairs 1¼ lbs. 1.70

No. G5b—Same as No. G5 except Boys Size. Weight per Dozen Pairs 1 lb. 1.00

No. G6—Medium, Nap Outside; Weight per Dozen Pairs 1½ lbs. 1.70

No. G7—Heavy, Nap Inside. Weight per Dozen Pairs 2 lbs. 1.80

No. G8—Heavy, Nap Inside. Weight per Dozen Pairs 2 lbs. 2.00

No. G8b—Same as No. G8, except Boys Size. Weight per Dozen Pairs 1½ lbs. 1.80

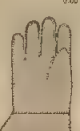
No. G9—Extra Heavy, Nap Inside. Weight per Dozen Pairs 2½ lbs. 0.00

White Canton Flannel Nap Inside with Driving Gauntlet

Per Dozen Pairs

No. G15 [illegible] $3.50

No. G15. Medium Weight, Three Ends Nap. Per Dozen Pairs [illegible] 3.00



No. G20 [illegible] $5.00

No. G30—Extra Heavy, Full Leather Faced Palm, Fingers and Thumb. Weight per Dozen Pairs 4 lbs. $8.00

One Dozen Pairs in a Carton

COTTON MITTENS

Per Dozen Pairs

No. M3—Extra Heavy, Striped Ticking; Fleece Lined; Knit Wristband. Weight per Doz. Pairs 3½ lbs. $2.20

Half Dozen Pairs in a Carton

White Canton Flannel Nap Outside, Double Palm and Thumb

Per Dozen Pairs

No. M4—Medium Weight. Weight per Dozen Pairs 2 lbs. $1.00

No. M6—Heavy. Weight per Doz. Pairs 2½ lbs. 1.70

No. M6B—Same as No. M6 except Boys Size. Weight per Doz. Pairs 1½ lbs. 1.00

No. M7—Good Weight. Weight per Dozen Pairs 1 lb. 1.00

One Dozen Pairs in a Carton

White Canton Flannel, Nap Outside.

Per Dozen Pairs

No. M7½—Grey. Weight, Wet per Two Pairs 2 lbs. $1.20

No. M8—Good Weight. Weight per Dozen Pairs 1½ lbs. 1.20

No. M8B—For Boys and Women. Otherwise as No. M8. Weight per Doz. Pairs 1 lb. 1.10

No. M12—Heavy. Weight per Four Pairs 1 lb. 1.70

One Dozen Pairs in a Carton

DOUBLE THUMB MITTENS

Reversible, for Right or Left Hand

Per Dozen Pairs

No. M13—Medium Weight, White Canton Flannel. Two Thumbs. Nap Outside; Weight per Dozen Pairs 1 3/5 lbs. $4.20

No. M14. Heavy Weight. White [illegible] Nap Outside; Weight per Dozen Pairs 2½ lbs. 5.00

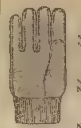
One Dozen Pairs in a Box.

In Lots of Not Less than 3 Dozen Pairs we will Print Your Name and Address and more than Three [illegible] Cotton Mittens in a Carton for $0.35 per Dozen. The Name to be Printed on One Glove or Mitten cut of a pair and Printed Goods cannot be Shipped Direct from Factory. Lots of 1 Dozen.

COTTON GLOVES AND MITTENS

Used by Men in all Trades: Laborers, Mechanics, Farmers, Teamsters, Miners, etc.

GLOVES



DARK BROWN JERSEY
Soft Knitted Brown Wrist Band

Per Dozen Pairs

No. J10—Heavy, Heavy Fleece Lined. Weight per Dozen Pairs 2 lbs. $2.00

No. J10B—Same as No. J10 except Boys Size. Weight per Dozen Pairs 1¾ lbs. 1.80

BLACK JERSEY
Soft Knitted Black Wrist Band

Per Dozen Pairs

No. J00—Heavy, Fleece Lined. Weight per Dozen Pairs 2 lbs. $2.00

No. J00B—Same as No. J00 except Boys Size. Weight per Dozen Pairs 1¾ lbs. 1.90

ASSORTED RED, BLACK AND BROWN JERSEY
Soft Knitted Wrist Bands

Per Dozen Pairs

No. J00—For Boys and Women. Fleece Lined. Weight per Dozen Pairs 1¾ lb. $3.00

GLOVES
BROWN JERSEY
With Driving Gauntlet

Per Dozen Pairs

No. J70—Heavy, Long Stuffed Driving Gauntlet. Fleece Lined. Weight per Dozen Pairs 3 lbs. $3.00

MITTENS
BROWN JERSEY
With Driving Gauntlet

Per Dozen Pairs

No. J00d—Heavy, Long Stuffed Driving Gauntlet. Fleece Lined. Weight per Dozen Pairs 3 lbs. $3.50

One Dozen Pairs in a Carton

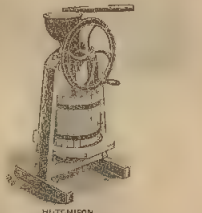
CIDER MILLS

AMERICUS

Heavy Frame; Very Strong and Durable, Adjustable Crusher. Large Pans, Geared Grinder, Smooth and Light Running.

Varnished

Hardwood Handle on Medium [illegible] Heavy Slave Pans. Geared [illegible] inch Thick, Two Octagon Sliding Hardwood [illegible] Pressure Boards, One Malleable Wrench and [illegible] Crushing Rolls run at the Same Speed, Crushing [illegible] one Hopper and Mat [illegible] are Made of [illegible]



HUTCHISON
Family Size

Varnished Hardwood Uprights, Strongly [illegible] Fluted Cast Iron Support, Iron Crank Wheel, Steel Pressure Screw with Wrought Iron T Top and Thick [illegible] Iron Slave Pan with Serated Wrought Iron Lumber Bands ¾ inch Thick

Each

No. CH—Capacity 1½ Hopper 4 Quarts, Size 10x25 inches. Pan 12 inches at Diameter 12 inches Deep, Crank Wheel 6 inches in Diameter, Press Screw 550-32 Inches, Floor Space 18x20 inches. Weight 125 lbs. $15.00

	One Crank	One Man	Two Hands
No.	2R	M	MSH
Height of [illegible] Inches	23	40	46
Pounds of Pepper made an [illegible]	12x14	16x24	32x45
Size of Table [illegible] In.	16x 3¼	22x 2	36x5½
Size of Pressure Board In.	1,0x5½	13x8x3½	25x8x3½
Pounds [illegible]	9	17	225
Pounds [illegible] and [illegible]	18x8	28x8	35x8
Capacity [illegible] per Hour	2 to 4	3 to 6	6 to 10
Weight each [illegible]	90	200	420
Each	$20.00	27.50	35.00

"DIAMOND EDGE IS A QUALITY PLEDGE"

*OFFICE AND READING PORTABLES

These lamps are of the very Latest Designs and are constructed only of the Highest Grades of Materials. Very Attractive, Substantial, Economical and Restful to the Eye. Especially Recommended to Students, Office Men and [illegible] although [illegible]

*No. 1155½—Double Desk Lamp; Brushed Brass Finish; 1 inch Square Brass Standard, 8 inch Heavy Brass Base Green Cased Shades 9 inches Low with [illegible] Each
Box $21.00

*No. 1150½—Single Desk Lamp; Brushed Brass Finish, 1 inch Round Brass Standard Diameter of Base [illegible] Each
$17.00

*No. 1152½—Single Desk Lamp, Brush Brass Finish 1 inch Square Brass Standard, 8 inch Heavy Brass [illegible] Pull Chain Socket, Complete with 9 foot Silk Cord and Screw Plug Height over all 12 inches, Shipping Weight 90 lbs Each

*No. 1156½—Desk or Piano Lamp, Brushed Brass Finish 1 inch Square Brass Standard, 8 inch Heavy Brass Base Green Cased Shade 9 inches long with 5½ inch opening, Pull Chain Socket Complete with 9 foot Silk Cord and Screw Plug Length over all 12 in Shipping Weight 80 lbs. $18.00 Each

*No. 1153 Adjustable Desk or Piano Lamp, Brushed Brass Finish ¾ inch Round Brass Standard Diameter of [illegible] Silk Cord and Screw Plug Length over all 24 in Shipping Weight 40 lbs $15.00 Each

One in a Box

*No. 1320—Brass Standard and Shade Brushed Brass Finish Shade finished on Inside with Aluminum Bronze; Wired with Silk Cord; Complete with Plug and Socket; Standard adjustable from 30 in. to 5 ft., Weight 6 lbs. Each $8.00

*No. 1127½—Floor or Piano Lamp Brushed Brass Finish, 1 in. Square Brass Standard, adjustable from 30 to 60 in., 8 in. Heavy Brass Base, Green Cased Shade 9 in. Long, with 5½ in. Opening, Pull Chain Socket Wired with Silk Cord; Complete with 9 foot Silk Cord and Screw Plug, Height over all not extended, 50 inches Shipping Weight 65 lbs. Each $15.00

One in a Lot

Items Marked * Not Carried in Stock; Can Only be Furnished by Shipping Direct from Factory, F. O. B. Pittsburg, Pa.

"DIAMOND EDGE IS A QUALITY PLEDGE"

LAMPS

HALL OR DEN

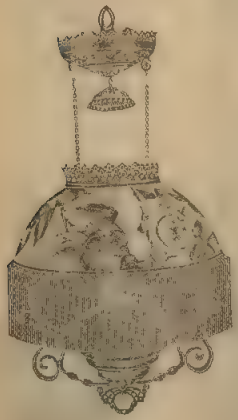
LENGTH—Closed 30 Inches, Extended, 57 Inches.
BURNER—No. 1 with 1 Inch Wick
CHIMNEY—No. 1 Belgium
METAL PARTS—Solid Bronze Rich Gilt Finish.
GLOBE—19 inch, Ant Cathedral Glass with Scrax Black Stripes.
FOUNT No. 1 Crystal Glass.
No. 20815—Complete with Chimney and Wick ..... Each $6.60
One in a Box, Shipping Weight 14 Lbs.

LENGTH—Closed 36 Inches, Extended, 57 Inches.
BURNER—No. 2 with 1 Inch Wick.
CHIMNEY—No. 1B Belgium.
METAL PARTS—Solid Bronze, Rich Gilt Finish.
GLOBE—10 inches, Minuet Design.
FOUNT—1 Decorated to Match Dome.
No. 18000—Complete with Chimney and Wick ..... Each $6.00
One in a Box Shipping Weight 14 Lbs.
No Additional Charge for Packing

LENGTH—Closed 36 Inches Extended, 57 Inches.
BURNER—No. 1 with 1 Inch Wick.
CHIMNEY—No. 1B Belgium.
METAL PARTS—Solid Bronze, Rich Gilt Finish.
GLOBE—10 inch, White Iced Glass.
FOUNT—1 Decorated to Match Dome.
No. 18008—Complete with Chimney and Wick ..... Each $5.50
One in a Box, Shipping Weight 14 Lbs.

LAMPS

LIBRARY HANGING



LENGTH—Closed 29 inches, Extends 167 inches.
BURNER—No. 2, with 1 inch Wick.
CHIMNEY—No. 2 Sun.
EXTENSION—Automatic Spring
METAL PARTS—Solid Bronze, Rich Cut Finish.
DOME—14-inch, Decorated Green Amber, Large Red Rose, Amber Fringe.
FOUNT—No. 9, Decorated to Match Dome.

	Each
No. 0107 [illegible]	$12.00

One in a Barrel; Shipping Weight 85 lbs.
No Additional Charge for Packing.

[illegible]
CHIMNEY—[illegible] Sun
[illegible]
METAL PARTS—Solid Bronze Rich Cut Finish
DOME—14-inch, Rose Decorated Shade.
FOUNT—Decorated to Match Dome.

	Each
No. 2102—Complete with Chimney and Wick	$9.00

LAMPS

LIBRARY HANGING

LENGTH—Closed 44 inches. Extends 80 inches.
BURNER—Success, Center Draught.
[illegible] No. 1
EXTENSION—Patent Telescope
METAL PARTS—Oxidized Brass
DOME—16-inch Opal with Rose Decoration
FOUNT—Decorated to Match Dome.

	Each
No. 2117—Complete with Chimney and Wick [illegible]	$10.50

One in a Barrel; Shipping W[illegible]
No Additional Charge for Packing

LENGTH—Closed 44 inches, Extended 80 inches.
BURNER—No. 2 with 1 inch Wick
[illegible]
EXTENSION—Patent Weight
METAL PARTS—Solid Bronze, Rich Cut Finish
DOME—14 inch Opal.
FOUNT—Crystal Glass with Duplex Filler

	Each
No. 2003—Complete with Chimney and Wick.	$5.00

One in a Barrel; Shipping Weight 45 lbs.
No Additional Charge for Packing

"DIAMOND EDGE IS A QUALITY PLEDGE"

See Pages 1742 and 1743 for Extra Glassware for these Fixtures.

ELECTRIC FIXTURES

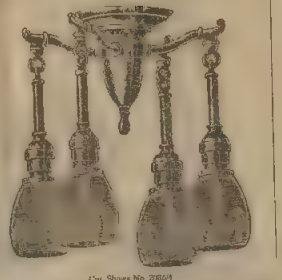
SHOWER LIGHTS

Cut shows No. N2030/4

Brushed Brass, Spread Plate 14 inches Square; Length over all 20 inches, Wired with Silk Cords, New Wrinkle Key Sockets, 2¼ inch Holders and Crow Foot; Complete with No. 685CS Crystal Striped Glass Shades.

No. N2030/4—Four Electric Lights; Weight 5¼ lbs $17 50

No. N2030/5—Five Electric Lights, Four Around and One in the Center; Weight 11 lbs 20 50



Cut Shows No. 2262/4

Brushed Brass, Spread 16 inches, Length Over all 18 inches; ⅜ inch Tubing in Arms, Top Shell 6½ inches, Wired with Silk Cord, New Wrinkle Keyless Sockets, 2¼ inch Holders and Crow Foot, Complete with No. 875CS Crystal Striped Glass Shades.

Each

No. N2262/4—Four Electric Lights; Weight 9¼ lbs $17 00

Cut Shows No. N2031/4

Brushed Brass; Diameter of Plate 14 inches, Length over all 20 inches, Wired with Silk Cord, New Wrinkle Key Sockets, 2¼ inch Holders and Crow Foot, Complete with No. 895CR1 Crystal Roughed Outside Glass Shades.

Each

No. N2031/4—Four Electric Lights; Weight 6 lbs $13 00

No. N2031/5—Five Electric Lights, Four Around and One in the Center, Weight 8 lbs 18 00

Cut Shows No. N2030/2

Brushed Brass, Diameter of Plate 12 inches, Length over all 14 Inches, Wired with New Wrinkle Keyless Sockets, 2¼ inch Holders and Crow Foot; Complete with No. 865CR1 Crystal Roughed Outside Glass Shades.

Each

No. N2030/2—Two Electric Lights; Weight 3½ lbs $7 00

No. N2030/3—Three Electric Lights; Weight 4½ lbs. 10 00

Cut Shows No. N2032/5

Brushed Brass; Size of Plate 16 inches in Diameter; Depth of Plate 7 inches, Length over all 20 inches, Wired with 5ft Cord, New Wrinkle Key Sockets 2¼ inch Holders and Crow Foot; Complete with Nos. 495 and 495A Crystal Stripe Glass Shades.

Each

No. N2032/4—Four Electric Lights, Four Around and One in the Center $15 00

No. N2032/5—Five Electric Lights, Four Around and One in the Center, Weight 7½ lbs 17 00

Loose

Brushed Brass; Diameter of Ceiling Plate 16 inches, Length 20 inches, Wired with Silk Cord, New Wrinkle Keyless Sockets, 2¼ inch Holders and Crow Foot; Complete with No. 495CS and No. 880CS Crystal Stripe Shades.

Each

No. N2050/5—Five Electric Lights, Four Around and One in the Center, Weight 6 lbs $15 00

Cut Shows No. N2006/3

Brushed Brass, Plate 8 inches Diameter, Length over all 12 inches, Wired with New Wrinkle Keyless Sockets, 2¼ inch Holders and Crow Foot; Complete with No. 875CS Crystal Striped Glass Shades.

Each

No. N2006/2—Two Electric Lights, Weight 2½ lbs $7 00

No. N2006/3—Three Electric Lights; Weight 3½ lbs 9 00

Loose

No. N2064/2—Two Electric Lights, Brushed Brass, Size of Plate 16½x7½ inches; Length over all 12 inches, Wired with New Wrinkle Keyless Sockets, 2¼ inch Holders and Crow Foot, Complete with No. 495CS Crystal Stripe Glass Shades, Weight 2¾ lbs $8 00

Each

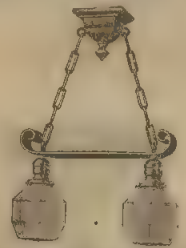
ELECTRIC FIXTURES
SHOWER LIGHTS

[illegible] with No. 878CS Crystal Stripe Glass Shades.
No. N2650 Two Electric Lights, [illegible] Each $6 00

See Pages 1742 and 1743 for Extra Glassware for these Fixtures.

Brushed Brass Spread 15 inches Long, 13 inches [illegible] with Sockets; 2¼ inch Holders and Crow Foot; Complete with No. 208CS Crystal Stripe Glass Shades. Each
No. N2658—Two Electric Lights; Weight 4½ lbs. $7 50

Brushed Brass, Diameter of Ceiling Plate 12 inches; Length 12 inches, Wired with Silk Cord, New Wrinkle Keyless Sockets, 2¼ inch Holders and Crow Foot Complete with No. 866 Italian Glass Shades.
No. N2656/2—Two Electric Lights, Weight 2½ lbs. $7 50
No. N2656/3—Three Electric Lights, Weight 3½ lbs. 9 00



Brushed Brass [illegible] 12 inches [illegible] inches Wired with Silk Cord, New Wrinkle Keyless Sockets, 2¼ inch Crow Foot Complete with No. 208LS Crystal Glass Knuckle Shade. Each
No. N2656/2—Two Electric Lights, Weight 3½ lbs. $6 00

Brushed Brass; Diameter of Ceiling Plate 10 inches, Length 9 inches Wired Keyless Sockets; New Wrinkle Type, 2¼ inch Holders and Crow Feet; Complete with No. 839CS Crystal Glass Shades. Each
No. N2676/2—Two Lights, Weight 2 lbs. $6 00
No. N2676/3—Three Lights, Weight 3 lbs. 7 00

Loose

See Page [illegible] for Extra Glassware for these Fixtures.

ELECTRIC FIXTURES
SEMI DIRECT DOMES

Brushed Brass [illegible] Chain Hanger, Length over all 42 inches with Sockets, New Wrinkle Keyless Sockets, 2¼ inch Crow Foot Complete with No. 208LS Crystal Glass Knuckle Shade 12 inches in Diameter. Each
No. N2653—Two Electric Lights, Weight 4 lbs. $10 50

Antique Brass Ceiling Plate and Link Chain Hanger, Length over all 42 inches [illegible] with Sockets, New Wrinkle Keyless Sockets, 2¼ inch Crow Foot Complete with No. 1426 [illegible] Shade 12 inches in Diameter. Each
No. N2671—Two Electric Lights, Weight 4 lbs. $25 00

Brushed Brass Ceiling Plate, Link Chain Hanger, Fancy Scroll and Brass Bowl, Diameter [illegible] Length [illegible] with Sockets, New Wrinkle Keyless Sockets, 2¼ inch Crow Foot Complete with No. 866 Italian Fancy [illegible] Diameter of Shade 16 inches in Fitter. Each
No. N2674—Two Electric Lights, Weight 12 lbs. $20 50

Brushed Brass [illegible] Chain Hanger, Length over all 42 inches, Wired with Silk Cord, New Wrinkle Keyless Sockets Complete with No. 856 Fancy Glass Shade, Diameter of Shade 16 inches in Fitter. Each
No. N2673/2—Two Electric Lights, Weight [illegible] $27 50

Brushed [illegible] Chain Hanger, [illegible] with Sockets, New Wrinkle Keyless Sockets, 2¼ inch Crow Foot Complete with No. 1426 [illegible] Shade 12 inches in Diameter. Each
No. N2672—Two Electric Lights, Weight [illegible] $15 00

Brushed Brass Ceiling Plate and Link Chain Hanger, Diameter of Plate 10 inches, Length 18 inches, Wired with New Wrinkle [illegible] Complete with No. 835 Italian [illegible] Each
No. N2665—One Electric Light, Weight 10 lbs. $11 00

"DIAMOND EDGE IS A QUALITY PLEDGE"

LAMPS

★RAINBOW ASSORTMENT LIBRARY HANGING—THREE LAMPS

Rainbow Assortment Contains Three Lamps, One of Each Style as Shown and Described Below.
Each Complete with No. 2 Burner, Chimney and Wick

No. 0101A
LENGTH—Closed, 44 Inches; Extended, 60 Inches.
BURNER—No. 3, with 1¾-inch Wick
CHIMNEY—No. 2, Sun.
EXTENSION—Patent Weight
METAL PARTS—Solid Bronze, Rich Gilt Finish
DOME—16-inch Opal with Red Rose Decoration
FOUNT—Crystal Glass

No. 0101B
LENGTH—Closed, 44 Inches; Extended, 59 Inches.
BURNER—No. 3 with 1¾-inch Wick
CHIMNEY—No. 2, Sun.
EXTENSION—Patent Weight
METAL PARTS—Solid Bronze, Rich Gilt Finish
DOME—14-inch, White, with Red Rose Decoration.
FOUNT—Decorated to Match Dome

No. 0101C
LENGTH—Closed, 44 Inches; Extended, 60 Inches
BURNER—No. 3, with 1¾-inch Wick
CHIMNEY—No. 2, Sun.
EXTENSION—Patent Weight
METAL PARTS—Solid Bronze, Rich Gilt Finish
DOME—14-inch, Opal with Red Rose Decoration
PRISMS—27 Cut Glass
FOUNT—Decorated to Match Dome.

Per Assortment
★Rainbow Assortment—Three Lamps as Above Described, Complete with Burners, Chimneys and Wicks ... $20.00

Sold in Complete Assortments Only. One Complete Assortment in a Barrel. Shipping Weight, 75 Pounds
No Additional Charge for Packing

LAMPS

★TUSCAN ASSORTMENT FOUR LAMPS

Metal Base Rich Gilt Finish
Color—Kopps Cardinal, Made in the Glass. Will Not Fade or Wash Out

No. 5073—Lamp, Base and Shade Color Kopps Cardinal with Height 17 inches, Globe, 8 inches, Color, Cardinal No. 2 Burners, Chimneys and Wicks.

No. 5074—Height, 17 inches Globe, 8 inches; Color, Cardinal No. 2 Burners, Chimneys and Wicks.

No. 71—Height, 18 inches. Globe, 9 inches, Color, Cardinal No. 3 Burners, Chimneys and Wicks.

No. 85—Height 22 inches, Globe, 9 inches Raised Rose Design No. 2 Burners, Chimneys and Wicks.

Per Assortment
★Tuscan Assortment—Containing Four Lamps, One of each Style, as described above, complete with Burners, Chimneys and Wicks... $15.00
Sold in Complete Assortments Only
One Assortment in a Barrel. Shipping Weight 60 lbs.

No. 50...

SATURN LAMP ASSORTMENT

No. 5081—Lamp; Color, Kopps Cardinal made in the Glass, will not fade or wash out, Height 26 inches, 12 in. small Shade, Cardinal Glass with 5 in. Imported Ruby Bead Fringe; Complete with 100 Candle Power Success Center Draft Burner, 10 inch Success No. 1 Belgian Chimney and Round Wick, Metal Parts finished in Rich Gilt.

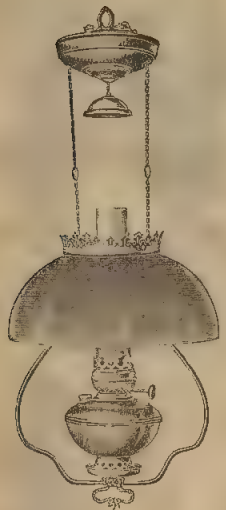
No. 5047—Lamp, Height, 25 Inches; Globe, 10 Inches; Raised Pineapple Design

No. 5047

Per Assortment
★Saturn Assortment—Containing Two Lamps, as Described Above; Complete with Success Center Draft 100 Candle-power Burners, Chimneys and Wicks... $17.00
Sold in Complete Assortments Only. One Assortment in a Barrel. Shipping Weight, 40 Pounds
No Additional Charge for Packing

LAMPS

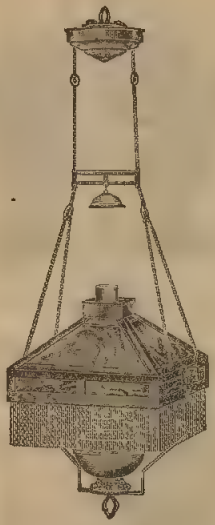
LIBRARY HANGING



LENGTH—Closed, 29 Inches, Extended, 55 Inches.
BURNER—Success, Center Draught
CHIMNEY—Belgian No. 10
WICK—Round Belgian No. 1
EXTENSION—Automatic Spring.
METAL PARTS—Very Heavy Brass.
DOME—14-inch, Faun
FOUNT—Plain Polished Brass.

Each
No. 9015 —Opal Dome, Complete with Chimney and Wick.. .. $9.80

No. 9015G—Dome, Green Outside, White Inside, Complete with Chimney and Wick 11 50



LENGTH—Closed, 32 Inches Extended 70 Inches
BURNER—Success, Center Draught, 100 Candle Power
CHIMNEY—Belgian No. 15
WICK—Round Belgian No. 1
EXTENSION Automatic Spring.
METAL PARTS—Solid Brass, Finished in Brushed Brass.
DOME—14 Inches, Square, with Top and Side Panels High Color Green Art Glass.
FRINGE—4-Inch, Imported Green Bead.
FOUNT Success, Center Draught.

Each
No. 10638—Complete with Chimney and Wick..... $15.00

One in a Box. Shipping Weight, 45 Pounds

No Additional Charge for Packing

LAMPS

*NORTHERN QUEEN ASSORTMENT LIBRARY HANGING—THREE LAMPS

Northern Queen Assortment Contains Three Lamps, One of Each Style as Shown and Described Below

Each Complete with No. 3 Burner, Chimney and Wick

No. 9197A

LENGTH—Closed, 28 Inches. Extended 66 Inches
BURNER—No. 3, with 1¼-inch Wick.
CHIMNEY—No. 2, Sun.
EXTENSION—Automatic Spring.
METAL PARTS—Solid Brass, Rich Gilt Finish.
FRINGE—Imported Flint Bead, 5 Inches Deep.
DOME—14-inch Daisy Decoration, with Canary Tint Background.
FOUNT—Decorated to Match Dome.

No. 9193B

LENGTH—Closed, 35 Inches. Extended, 72 Inches
BURNER—No. 3, with 1¼-inch Wick.
CHIMNEY—No. 2, Sun.
EXTENSION—Automatic Spring.
METAL PARTS—Solid Brass, Rich Gilt Finish.
DOME—14-inch Opal with Red Rose Decoration.
FOUNT—Decorated to Match Dome.

No. 9196B

LENGTH—Closed, 28 Inches; Extended 60 Inches
BURNER—No. 3, with 1¼-inch Wick.
CHIMNEY—No. 2, Sun.
EXTENSION—Automatic Spring.
METAL PARTS—Solid Brass, Rich Gilt Finish.
DOME—14-inch Rose Decoration with Green Tint Background.
PRISMS—24 Cut Glass.
FOUNT—Decorated to Match Dome.

Per Assortment
*Northern Queen Assortment—Three Lamps, as Above Described, Complete with Burners, Chimneys and Wicks.. $24.00

Sold in Complete Assortments Only. One Complete Assortment in a Barrel. Shipping Weight, 75 Pounds

No Additional Charge for Packing

BUCKETS AND CANTEENS

FOLDING CANVAS BUCKETS

No. 3C

No. 65S

No. 4D

No. 50

No. **3C.** Made of brown waterproof duck. Will fold into a very small space and has a capacity of 3 gallons. Weight 8 ounces..... $ .50

No. **65.** These buckets tie at the top which prevents contents from slopping out. Made of brown canvas, and hold 2½ gallons..... .65

No. **65S.** Like No. 65 but with spout..... .85

No. **4D.** Folding bucket of heavy canvas, fitted with metal frame, making it as stiff and rigid as a wooden bucket. Folds into a very small space. When open will stand alone Capacity 6 quarts..... *1.00

No. **12D.** Like No. 4 but holding 10 quarts..... *1 50

No. **50.** Water jar or bottle. Made of brown duck and watertight. Fitted with cork at the neck. Weighs ½ lb., holds 22 pints..... *1.00

CANTEEN, ARMY STANDARD

Made of heavy block tin, retinned, covered with thick absorbent felt, which should be soaked with water at time of filling. A heavy, dry canvas covering is then drawn down and laced over the soaked felt confining the moisture, thus reducing the temperature. Can be used as a hot water bag.

No. **47.** Capacity about ½ gal..... *$2.00

No. **47G.** Capacity about 1 gal..... *3.15

HIKER'S CANTEEN

This canteen is made of tin and covered with Khaki colored canvas. The straps are made of Khaki webbing, fitted with detachable snaps engaging rings on each side of the canteen. A metal capped stopper with finger piece is provided.

Designed specially for Boy Scouts to whom thousands have been sold.

No **P.** Capacity 2½ pints. Weight ½ lb.....$ .50

SELF-COOLING WATER BAG

Evaporation is the underlying principle of nearly all refrigerating processes. This fact has been applied as the working basis of the Improved Water Bottle. The material of which the bag is made has the peculiar property of holding water, and yet exuding just enough to present a continuous water surface to the warm air.

It's a blessing to hot, tired, thirsty humanity.

No. **1A.** Capacity about 1 gallon; weight ½ lb.....*$1 00

No. **2A.** Capacity about 2½ gallons; weight 1 lb..... *1.25

No. **5A.** Capacity about 5 gallons; weight 1½ lbs..... *2.00

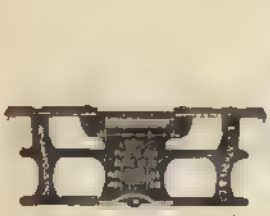
For other canteens see page 221.

***Delivery Prepaid in U. S. if Cash is Sent with Order at Above Prices**

SAW TOOLS

For Jointing, Gauging, Side Filing and Setting Cross Cut Saws.

ATKINS' EXCELSIOR


Excelsior Saw Tool

Tool Used as a Side File.

Tooth Set Gauge

Setting Block.

Per Dozen Sets

No. 2 5⅜ in Long, 2¼ in High, Cast Iron Frame Natural Finish Used as a Jointer a Raker Gauge or as a Side File, Complete with Tooth Set Gauge and Ordinary Setting Block Weight Per Dozen Sets 19 Lbs. . **$6 50**

One Set in a Box

ATKINS' PERFECTION

Perfection Saw Tool.

Tool Used as a Raker Gauge.

Tool Used as a Jointer.

Tool Used as a Side File.

Tooth Set Gauge

Criterion Saw Set.

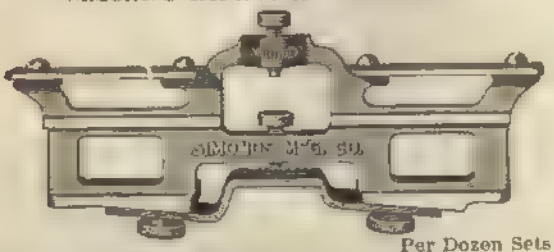
Per Dozen Sets

No. P—Cast Iron Frame Natural Finish, Used as a Raker Gauge Jointer or as a Side File, Complete with Tooth Set Gauge Criterion Saw Set and Highly Polished Cast Steel Setting Hammer with Hardwood Handle, Weight Per Dozen Sets 30 Lbs. **$15 00**

The Criterion Saw Set, furnished with this tool, has a die which rests on the top of the tooth. The hammer blow comes in contact with this die instead of the tool itself. This imparts a more even set and removes the liability of breakage. It is also possible to adjust the Criterion Saw Set so as to secure any degree of set by raising or lowering the set screw on the opposite end

One Set in a Box.

SIMONDS IMPROVED CRESCENT



Per Dozen Sets

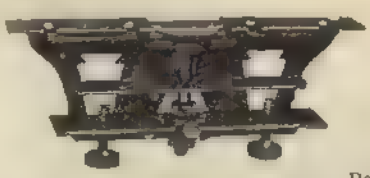
No. 342—Iron Frame, Hardened Steel Plates and Screws, Used for Jointing, Filing Raker or Cleaner Teeth, Gauging Raker Teeth and Setting Teeth, Complete with Tooth Set Gauge and Setting Block, Weight Per Dozen Sets 18 Lbs. **$14.40**

Advantages.

Quick, accurate and rigid adjustment of raker gauge. No chance to dislocate slide when once in position—a feature not to be found in any other saw tool. Easy and rigid adjustment of joining file. Depth of raker tooth can be varied from ⅛ to 1/1000 of an inch.

One Set in a Box.

DISSTON'S IMPERIAL



Per Dozen Sets

No. 15—Malleable Iron Frame, Steel Wearing Parts, Used as a Jointer or Raker Tooth Gauge, Complete with Tooth Set Gauge and Setting Block, Weight Per Dozen Sets 21 Lbs. **$15 00**

All wearing parts are made of high grade steel, specially hardened, giving great durability, and are also easily detached by the mere loosening of a screw. This, while holding parts firmly, also permits of renewal, thus prolonging efficiency of tool indefinitely. The Raker Gauge is also made of steel and hardened to such a degree that the best superfine file will not cut it.

One Set in a Box

SAW SETS

For Cross Cut Saws.

Per Dozen

No. 50—Genuine Whiting, 3½ in. Long, Forged and Tempered Tool Steel, Polished, Patent Anti-Splitting Collar, Weight Per Dozen 3 Lbs. **$10.00**

No. 51—Woodman, Same Style as No. 50, but Cheaper Grade. **9 00**

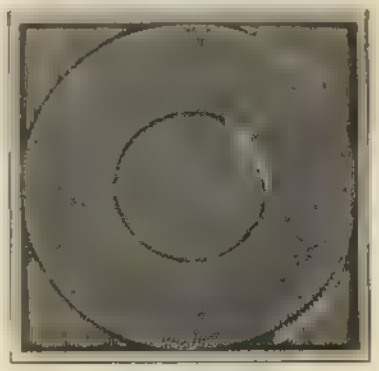
One-twelfth Dozen in a Box.

NARROW BAND SAWS

DISSTON'S, IN COILS

Order all Saws by Number of Points to the Inch.

In One Inch Space there is One Tooth Less than Points.



Give Full Particulars when Ordering.

For Saws of Heavier Gauge than Listed, Add 5 Per Cent to List for Each Gauge Heavier.

Set and Filed, Not Joined.

Width, Inches	¼	⅜	½	⅝	¾	⅞
Gauge	21 or 22	21 or 22	21 or 22	21 or 22	20 or 21	20 or 21
Per Foot	**$0.16**	.17	.18	.20	.22	.25
Width, Inches	1	1⅛	1¼	1⅜	1½	1¾
Gauge	20 or 21	20	19 or 20	19 or 20	19 or 20	19
Per Foot	**$0.27**	.29	.31	.35	.38	.41

NOTE—When Ordering, State Length, Width, Gauge and Number of Teeth to the Inch.

SAW SWAGES

CONQUEROR

The bottom of the openings in the Conqueror being slotted it is impossible to blunt or injure the fine cutting edge of the tooth, which is frequently the result with solid swages

No. 3.

Natural Finished Forged Steel Body, Hardened Face, Polished Edges, Hardened Crucible Steel Jaws, Blued Steel Cap.

	Each
No. 0—6 in Long, for Large Circular Saws with Projecting Tongue for Use when a Spread Set is Desired, Weight Each 1⅛ Lbs.	**$3 00**
No. 1—5 in Long, for Large Circular Saws without Tongue Weight Each 1 Lb	**2 75**
No. 2—4½ in Long for Small Circular and Mill Saws not Heavier than 16 Gauge Weight Each ⅝ Lb	**2 25**
No. 3—2⅝ in. Long for Small Circular and Narrow Band Saws not Heavier than 15 Gauge Weight Each ⅛ Lb	**1.75**

One in a Box

HAND SAW JOINTERS

DISSTON'S

	Per Dozen
No. 25—Simple in Construction, Readily Adjusted, Complete with File, Weight Per Dozen 6 Lbs	**$5 75**
Extra Files	**1.50**

Specially adapted for Hand Saws, Narrow Band Saws, etc.

One-quarter Dozen in a Box.

SAW HAMMER AND ANVIL

DISSTON'S

For Setting the Teeth of Cross Cut Saws.

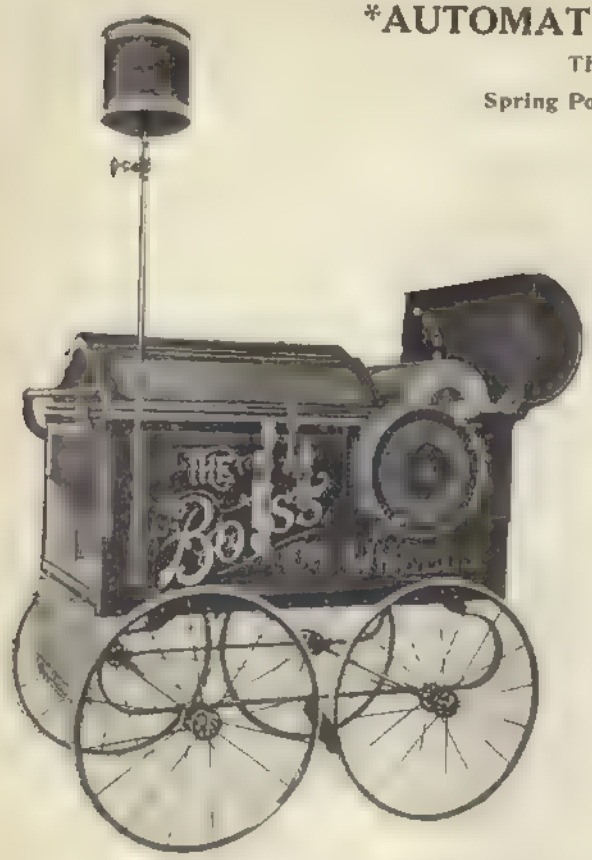
	Per Dozen.
No. 1—Setting Hammer, Tool Steel Head, Hardwood Handle	**$9.00**
Anvil—5 in. Long, 1½ in Diameter, Tool Steel Octagon Shape	**7.50**

These tools are the simplest and best on the market for setting Cross Cut Saws.

*AUTOMATIC PEANUT ROASTERS

THE BOSS ON WHEELS

Spring Power. Gas or Gasoline Burners



The Boss with glass cover, each $69.00
The Boss without cover, each 65.00

The illustration shows The Boss equipped with a cover made of sheet steel and glass to fit over the warming pan. The cover will keep the dust out when the machine is used out doors and prevents pilfering. It has a hinged lid, giving ready access to the contents of the pan.

Dimensions—Width 32 inches, length 40½ inches, height to top of dome, 39½ inches, to top of gasoline tank 61½ inches.

The peanut cylinder is 8x19 inches, will roast 10 to 12 quarts per roasting. Warming pan is 2½x22x24 inches, will hold over 3 pecks of peanuts. The running gear is steel springs on steel axles and 20 inch wheels with ½ inch solid rubber tires. Shipping weight without cover 235 pounds, with cover 260 pounds, shipped crated.

*AUTOMATIC PEANUT ROASTER AND CORN POPPER

THE BONANZA

Spring Power. Gas or Gasoline Burners

The Bonanza, each $100.00

Dimensions—Width 33½ inches, length 52 inches, height to top of dome 80 inches, to top of gasoline tank 84 inches.

Show case (inside) 21x44½x33 inches high, with divisor panel in center.

Capacity—Peanut cylinder 10x19 inches, will roast about 10 pounds per roasting.

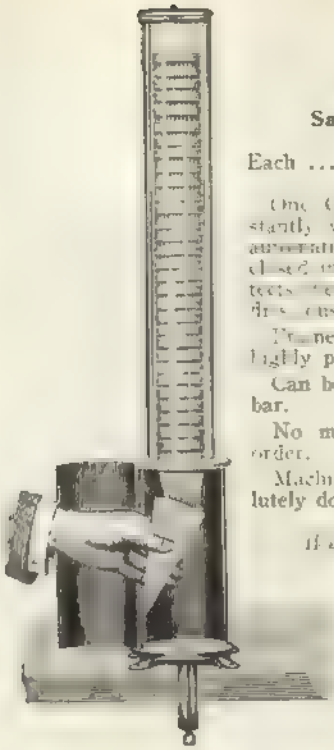
Skillet popper (inside) 1¾ inches deep by 11 inches in diameter, will pop from 2 to 3 bushels of corn per hour.

Running Gear—Steel springs on steel axles and 20 inch steel wheels with ¾ inch solid rubber tires.

Net weight 300 pounds, crated for shipment, 550 pounds.

*Not carried in stock; can be shipped promptly from factory

CONE DISPENSERS



CHEROKEE

Sanitary Cone Dispenser

Each $6.00

One Cone at a time is removed instantly with [illegible]. Door closes automatically leaving all the Cones enclosed in a dust-proof case, which protects them from coming in contact with dirt, dust and microbes.

Frame is made of metal, plated and highly polished.

Can be set or clamped on counter or bar.

No mechanical parts to get out of order.

Machine is constructed so it absolutely does not break or mar the Cones.

Weight per dozen 190 pounds

STRAW DISPENSERS

CHEROKEE

Cherokee Sanitary Straw Dispenser

Each $5.50

Made entirely of metal, except a display slot on both sides of the machine, which is lined with celluloid through which the straws may be seen.

Has the very best quality of plating and will not rust. Holds 500 Straws at one filling.

No spring mechanism to clog the straws or get out of order. Dispensing levers are inside the base of machine and are not in the way.

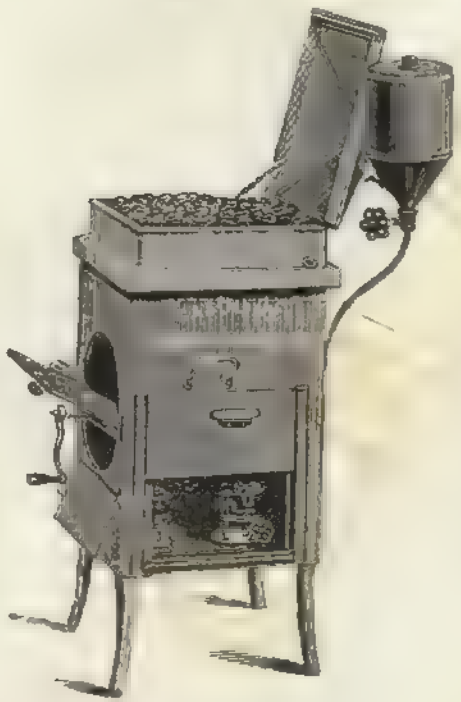
Occupies but little space and is an ornament as well as a necessity.

This Dispenser protects the straws from flies, dust, microbes etc., and by pressing the lever it dispenses one straw at a time on either side of the machine.

Weight per dozen 80 pounds

PEANUT ROASTERS

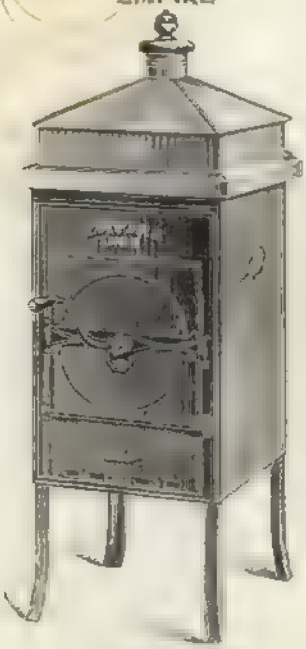
EMPIRE



Roaster Open For Gasoline

16 inches high, 16 inches wide, roasting capacity one half bushel. Top of XXXX Tin, Copper and Brass trimming.

EMPIRE



For Charcoal

Empire Peanut Roaster for Charcoal, each $25.00

Empire Peanut Roaster for Gasoline, each..... $28.00

The gasoline roaster has no smoke, no smell, no dust. Heat is regular and quickly started. Weight 80 pounds. Full directions sent with each roaster.

LITTLE GEM

For Charcoal

Little Gem Peanut Roaster for charcoal, each..... $8.50

22 inches high, 14 inches wide, 20 inches long. Roasting capacity, half bushel. Weight 20 pounds.

YOUNG'S IMPROVED ROLLER SKATES

"CYCLE" SKATES

They are particularly adapted for street use and are the highest grade roller skates made. They are mounted with ankle supports and either steel or rubber roll, which when worn out can be replaced at small cost.

No. C

Girls' Model

No. 1C. Extends 8 to 9 ins.....Pair $3.75
No. 2C. Extends 9 to 10 ins.....Pair 3.75

Boys' Model

No. 3C. Extends 8 to 10 ins.....Pair 3.75
No. 4C. Extends 10 to 11 ins.....Pair 3.75
Extra metal rims.....Each .15
Rubber rims.....Each .20
Wheel with cup.....Each .60

"AUTOMOBILE" ROAD SKATES

No. A

For skating where the streets are asphalted or macademized. They are fitted with rubber tires which can be replaced when worn out.

They are so constructed that the weight of the skater rests below the center of axle, thus reducing the ankle strain.

With 4-inch Wheels

No. 5A. Extends 8 to 10 ins.....Pair $7.00
No. 6A. Extends 10 to 12 ins.....Pair 7.00

With 5-inch Wheels

No. 7A. Extends 8 to 10 in.....Pair 9.00
No. 8A. Extends 10 to 12 in.....Pair 9.00
Extra rubber tires.....4 inches. Each $ .30.....5 inches. Each $ .50

"HY-GRADE" RINK SKATES

No. Y

Are used by the most prominent fancy and trick skaters in the United States; for general rink use they are unexcelled in every particular. The "Hy-Grade" Rink Skates are mounted with steel, wood or rubber rolls as specified.

Men's Models

No. 9Y. Extends 9 to 10 ins....Pair $7.00
No. 10Y. Extends 10 to 11 ins...Pair 7.00

Women's Models

No. 11Y. Extends 8 to 9 ins.....Pair 7.00
No. 12Y. Extends 9 to 10 ins....Pair 7.00

No. 999. **"Hy-Spede" Rink Racer.** Fastens to shoes with screws...Pair 7.50
Extra metal rims..Each $ 15 Rubber rims..Each $.20 Wood rims..Each $.25

ellivery Prepaid in U. S. if Cash as Above and 30c. Extra is Sent with Order

EXERCISERS AND CHEST PULLS

GRIP EXERCISER

This exerciser may be used separately or attached in place of ordinary handles to any pulley or weight machine.

It strengthens the fingers, the hands, the wrists the arms, and develops the muscles there. Less time is required for practice than with any other gym apparatus.

No. **14.** ..... Each **$ .25** Delivered $ .30
No. **14.** ..... Pair **.50** Delivered .60

WHITELY CHEST PULLS

The best thing known for developing the chest. It is made with three or five strands of elastic cable, adjustable so that the cables can be attached or detached in an instant, enabling the user to exercise with as many cables as desired, according to the strength of the user. Finely nickeled parts, with charts showing different exercises.

No. **3M.** Medium, tension 3 strand..... **$ .75**
No. **3H.** Heavy, tension 3 strand..... **1.00**
No. **5H.** Heavy, tension 5 strand..... **1.50**
No. **5X.** Extra heavy tension, 5 strand..... **2.00**

WHITELY SPRING EXERCISER

Made of coiled spring wire and quickly transposed, from an exerciser to a chest pull or visa versa in a few seconds.

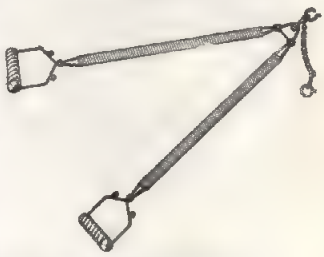
As a chest pull attach the handles to each end of both strands as shown in "Figure A" or one strand may be attached if light tension is required.

Instructions for Using as an Exerciser

Insert one screw hook and one screw eye at about your own height. Hang the exerciser on the hook and snap the safety line into the eye as shown in figure "B". For reverse movements place hook and eye a few inches above, attach exerciser and safety line.

Caution—Under no circumstances should the spring exerciser be used until the safety line is securely attached.

Figure "B"



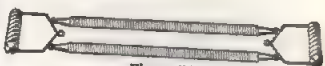


Figure "A"

No. **7L.** Light tension.....**$2.00**
No. **7M.** Med. tension..... **2.50**
No. **7H.** Heavy tension..... **3.00**
No. **7P.** Special quality, heavy tension.....Each **$1.50** Delivered **$1.60**
No. **8S.** Heavy tension, without safety..... **1.00** Delivered 1.10

No. 7P convertible into single strand chest pull only

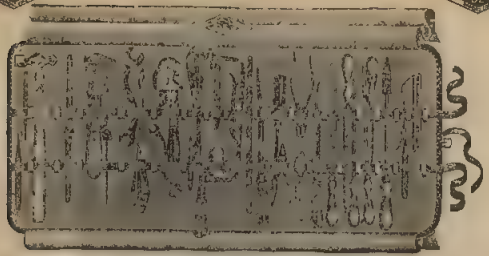
WHITELY MASSAGE ROLLS

This apparatus consists of balls which revolve upon an elastic cord which has a handle on each end and can be passed to and fro over the body. Complete with chart.

No. DR. Medium, with double row of balls.....Each **$2.00**
No. TR. Heavy, with triple row of balls.....Each **3.00**

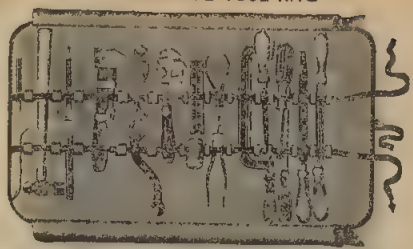
Delivery Prepaid in U. S. if Cash is Sent with Order at Above Prices

AUTOMOBILE TOOL KITS



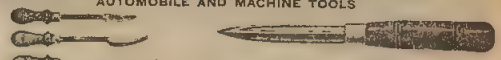
"DIAMOND EDGE"

AUTOMOBILE TOOL KITS



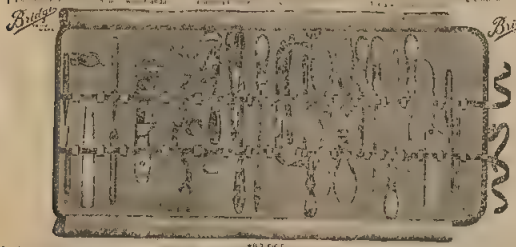
STANDARD

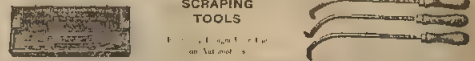
AUTOMOBILE AND MACHINE TOOLS



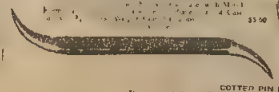
CURVED PIT SCRAPERS

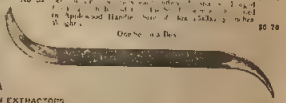
FINTEX SQUARE SCRAPERS





SCRAPING TOOLS





COTTER PIN EXTRACTORS

"DIAMOND EDGE IS A QUALITY PLEDGE"

FIRE EXTINGUISHERS

BADGER

Badger is approved by the Board of Supervising Inspectors of the Steam Boat Inspection Service, National Board of Fire Underwriters, Underwriters Laboratories, Inc., and National Fire Protection Association.

	Each
Badger—24 in. High, Extra Heavy Special Cold Rolled Copper Tank, Thoroughly Coated on Inside with Lead, when Charged Ready for Use it Contains 1½ Pounds of Bi-Carbonate of Soda Dissolved in 2½ Gallons of Water, Bottle in Cage at Top Just Under Cover Holds 4 Oz. of Sulphuric Acid, Tested to a Cold Water Pressure of 350 Lbs. Per Square Inch..... $.....	

When the Badger Fire Extinguisher is reversed, the sulphuric acid is fed automatically into the soda solution. Instantly carbonic acid gas is formed and within five seconds a pressure is generated of 90 pounds to the square inch. This pressure drives the water and gas through the hose straight at the fire and puts it out. As the gas itself will smother a fire independently of the water, the stream from the Badger is immensely more effective in extinguishing a blaze than the same amount of water alone. In other words, to equal the results of one pail of water thrown from the extinguisher you would have to use forty pails of ordinary water.

The seam of the tank is double-lock joint, reinforced on the inside by a patented bronze stay, all thoroughly sweated together and soldered, thus making a smooth, strong joint, giving the maximum strength with the minimum weight.

The stopper holder is so designed that the feeding of the acid is under perfect control, giving even flow of acid and an even pressure of gas. By thus regulating the flow, the acid becomes thoroughly neutralized, so that the stream causes no damage to any fabric with which it may come in contact.

PYRENE LIQUID

Vehicle Bracket.

Wall Bracket.

Approved by the U. S. Steamboat Inspection Service and by Fire Insurance Exchanges.

	Each
No. 1B—Polished Brass, Height 14 in., Diameter 3 in., Weight Filled for Use 6 Lbs.....	$7.00
No. 1N—Nickel Plated, Otherwise Same as No. 1B.	8.00
Vehicle Brackets—Steel, Japanned....	.50
Vehicle Brackets—Brass, Lacquered...	.75
Vehicle Brackets—Brass, Nickel Plated	1.00
Wall Brackets—Steel, Japanned	.25
Wall Brackets—Brass, Lacquered	.50
Wall Brackets—Brass, Nickel Plated...	.75

	Per Can
Pyrene Liquid—In 1 Quart Can.....	$1.00

Pyrene Liquid is a combination of purely organic materials, having an aromatic odor and a high specific gravity. Pyrene contains neither acid, alkali, salts nor moisture and will not stain the most delicate fabric or injure anything with which it may come in contact. **Pyrene Liquid** does not lose its strength or deteriorate with age. **Pyrene** will not free at a temperature of 50 degrees F. below zero, and is good until used, because it does not deteriorate nor evaporate.

When **Pyrene Liquid** is subjected to a temperature of 200 degrees F. or over, it is immediately transformed into a heavy, dry, cohering, non-poisonous gas blanket, which surrounds the burning material, cutting off the air supply necessary for the life of the fire, and thereby extinguishing it.

CHEMICAL FIRE ENGINES

BADGER

The steel tank is lined with sheet lead ⅛ of an inch thick, thoroughly sweated to the steel body, having the strength of the steel shell, the sheet lead being impervious to acid or water.

Specially constructed gun metal valves.

Lead acid bottle protected with a copper jacket thoroughly lead coated to prevent corrosion.

Occupies a space of 3x4 ft. It is 39 in. wide from outside of hubs

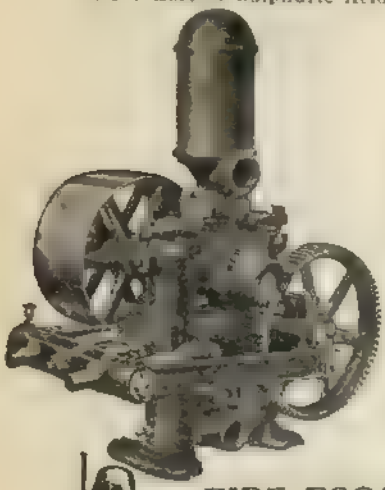
When not in use it stands on end on three short legs in a vertical position with weight off the wheels

Operation—Pull tank over onto wheels. Push to fire. Drop handle to floor. Turn valve in end of tank wide open and the discharge comes at once Can be regulated by stop nozzle on end of hose.

Approved and made under the specifications of the National Board of Fire Underwriters.

Each

Badger Steel Tank Capacity 40 Gallons, Forged Steel Frame 48 in Sarven Patent Wheels with Brass Capped Hubs Heavy Diamond Netting Wire Basket, with Wrought Angle Frame, Complete with 50 ft. Best ¾ in Chemical Hose, with Patent Shut-Off Nozzle, Throws Stream About 75 ft. Beyond Nozzle, Generates About 200 Lbs. Pressure, Discharges About 6 Minutes. Reloads in About 5 Minutes, 20 Pounds Bicarbonate of Soda and 7 Lbs. of Sulphuric Acid, Engine Tested to 500 Lbs Cold Water Pressure, Wt Each Empty 500 Lbs .$ ...



FIRE PUMPS

GOULD'S PYRAMID DOUBLE-ACTING

No. 1531—Brass Cylinder Suction Valve and Discharge, Leather Packed Plunger is Operated by Piston Rod, Cast Iron Base and Cylinder Bearings.

Diam. of Piston, Inches	2½	3	4	5	6	6
Stroke of Piston, Inches	4	5	5	5	6	12
Displacement, Rev. Crank Shaft, Gal.	.162	.293	.531	.823	1.440	2.870
Usual Speed and Displacement, Per Minute, Rev.	38	41	40	40	40	40
Usual Speed and Displacement, Per Minute, Gal.	6	12	21	33	57	114
For Elevation to, Feet	175	175	175	175	175	175
Horse Power at Cat. Rating	.50	1.00	1.50	3.00	5.00	7 50
Size of Pipe, Suction, Inches	1¼	1½	2	2½	3	4
Size of Pipe, Discharge, Inches	1¼	1¼	2	2½	3	4
Geared	5 to 1	5 to 1	5 to 1	5 to 1	5 to 1	5 to 1
Tight and Loose Pulleys, Inches	8x2½	15x2½	15x3	16x4	20x4	26x4
Weight Each, Lbs	160	280	325	500	645	875
With Tight and Loose Pulleys. Each,	$60.00	82.50	97.50	127.50	160.00	225.00

FIRE ESCAPES

LEE HOTEL

Position with Body Belt.

Position with Web Seat.

Each

No. 1 Bronze Finish, 50 ft Twisted Cotton Rope, 700 Lbs Breaking Test, with Body Belt, Weight Each 4 Lbs $4.00

No. 18 With Seat in Place of Body Belt, Otherwise Same as No. 1 . . . . . 4.50

When one person has descended the escape may be drawn up and the rope drawn through the escape for others to descend. One in a Canvas Case.

FIRE BUCKETS

ROUND BOTTOM

Galvanized, Painted Red, Lettered in Black.

Nos.	310	312	314
Inches	10x8⅜	10¾x9	11½x10½
Quarts	10	12	14
Wt. Per Dozen, Lbs.	25	28	34
Per Dozen	$.....	.....	.....

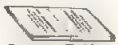
Made in accordance with requirements of the Board of Fire Underwriters. Open Stock.

CAMP LANTERNS AND LAMPS

AUTOMATIC FOLDING CANDLE LANTERN

When not in use this lantern folds in a space 7½x4½x¾ inches and can be carried in the pocket or takes up little room in the pack. By simply raising the handle the lantern opens automatically and is ready for the insertion of a candle. Three sides are made of clear mica, not glass, and the other side is a bright reflector.

No. **4.** Tinned steel, weight, 16 ozs..... **$1.50**
No. **1.** Aluminum, weight, 9 ozs..... **2.00**
No. **6.** U. S. A. Standard, Galvanized..... **2.50**
No. **10.** Non-dripping candles.....Dozen **.35**


Lantern Folded

OIL LANTERNS

No. V

No. J

No. 13

No. F

No. V. "Victor." Standard size, kerosene lantern, ⅝-inch wick, bright tin finish. The crank at the side raises and lowers the globe and securely locks the burner in place. Burns 19 hours..... $ **50**

No. J. "Junior." A small, light weight lantern. Is of the famous "Cold Blast" construction with patent side lever for raising and lowering globe. Burns 13 hours. With ⅝-inch wick and patent steel burner. **65**

No. 13. Buckeye Dash Lantern. Japanned lantern, with bull's eye lens and bright reflector. Serves as a hand lantern and dash lamp. Suitable for boating, hunting and camping..... **75**

No. F. "Flash" Bullseye. Made of heavy tin enamel finish. The slide or "shut off" is operated by thumb of hand holding lantern. Made for signal oil, will burn 16 hours..... **.80**

COLUMBIA ACETYLENE LAMP

This acetylene lamp compact and adapted for camp use. It has a flanged base to prevent upsetting and a wire handle which folds out of the way when not in use. It is easily operated, very simple in construction and the size of the flame can be regulated, turning it up or down, the same as an oil lamp. Burns carbide which can be secured in practically any hardware or sporting goods store. Height 5 inches.

No. **CB.** Gun metal finish..... **$3.00**
No. **27.** 2-lb. cans, carbide..... **.25**

BALDWIN CAMP LAMPS

No. 30

These lamps burn acetyline gas generated from carbide and water and throw a brilliant light. An automatic sparker, attached to the reflector, makes lighting possible without the use of a match.

MODEL 30

A reliable little, inexpensive lamp, especially suitable for camp use. Burns three hours at one filling, at a cost for carbide of ½ cent per hour. Weight, fully charged only 6 ounces. Height 4 inches.

No. **30.** Brass finish.....**$1.00**

No. 29

MODEL 29

Practically same as Model 30 excepting that it has a highly polished, nickel finish and has both cap hook and hinged handles.

No. **29.** Height 4 inches, weight 6 ozs.....**$1.50**

No. 38

MODEL 28

This lamp is larger than the other models, and burns for five hours on one charge, nickel finish, with hook and hinged handles so that it can be hung up or carried in the hand.

No. **38.** Height 5 ins., weight 10 ozs.....**$2.00**

No. **XC.** Extra Carbide Containers.....**.15**

BALDWIN CAMP LIGHTING OUTFIT

It consists of a water tank, carbide container, gas bracket and connections and 6 feet tubing packed in a nicely finished wooden box 7x7x9 ins. weighing 4 lbs. The generator is made to hang on a nail in the tent pole or tree or placed on the ground. A table lamp, with tin shade can be connected to this generator with tubing, either separately or along with the wall bracket.

No. **B1.** Generator outfit complete with gas bracket.....**$5.00**

No. **X1.** Table lamp for above extra.... **1.00**

SOLAR BOAT, CANOE AND CAMP LAMP

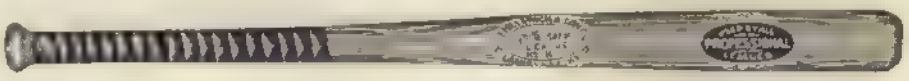
A combined canoe or boat light and hand lantern for use on inland rivers and lakes. Has pedestal base for fastening to deck and is adjustable or detachable from same for use as a lantern, having handle for carrying. Burns acetylene gas 5 hours and will not jar or blow out. Is of the same construction as the Solar Gas Cycle Lamp except that it has 1½ inch red light to port and 1½ inch green light to starboard set at a 45 degree angle so as to show both to front and side.

No. **S68.** Nickel plated, weight 3 lbs.....**$3.50**

BASEBALL BATS

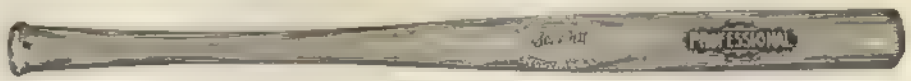
Ty Cobb Made from second growth ash, straight grain, hand turned, made from model used by the famous slugger, flame burnt finish, highly polished with glossy 'Trade Mark' transfer of the celebrated batter, length 32 to 36 inches, one in a paper bag, three dozen in a crate, weight 110 pounds.....per dozen, **$15.00**

Louisville Slugger Made from first choice second growth ash, straight grain, hand turned, assorted models from leading players, tapered handle, natural finish, highly polished, length 32 to 36 inches, one in a paper bag, three dozen in a crate, weight 110 pounds.....per dozen, **$14.50**



No. 100T Cherokee, selected second growth ash, 32 to 36 inches long, straight grain, hand turned, natural finish, shellac polished, tape wound handle, one in a paper bag, three dozen in a crate, weight 110 pounds.....per dozen, **$13.50**

No. 100 Professional model, second growth ash, 32 to 36 inches long, straight grain, hand turned, natural finish, shellac polished, one in a paper bag, three dozen in a crate, weight 110 pounds.....per dozen, **$13.00**



No. 75 Second growth ash, 32 to 36 inches long, ebony finish, highly polished, one in a paper bag, three dozen in a crate, weight 110 pounds.....per dozen **$12.00**

No. 50 Second growth ash, 32 to 36 inches long, golden finish, highly polished, one in a paper bag, three dozen in a crate, weight 110 pounds.....per dozen, **$8.00**

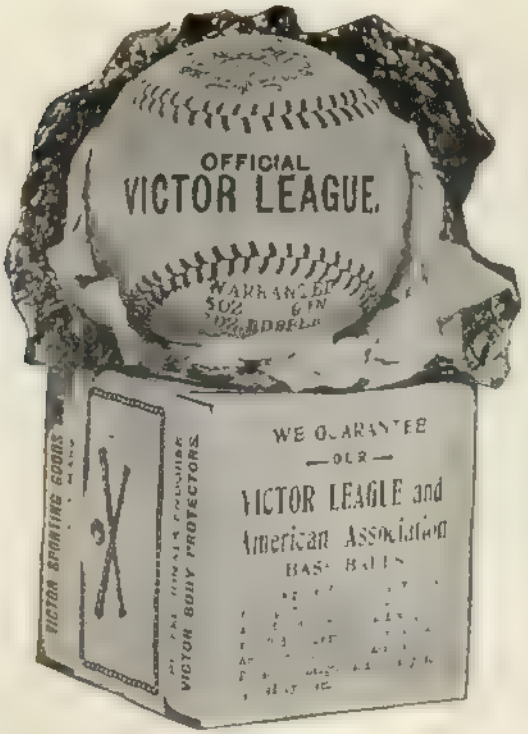
No. 25 Ash, 32 to 36 inches long, flame burnt, shellac polished, three dozen in a crate, weight 110 pounds.....per dozen, **4.50**

No. 025 Basswood, 32 to 36 inches long, carbolineum finish, shellac polished, three dozen in a crate, weight 110 pounds....per dozen, **4.00**

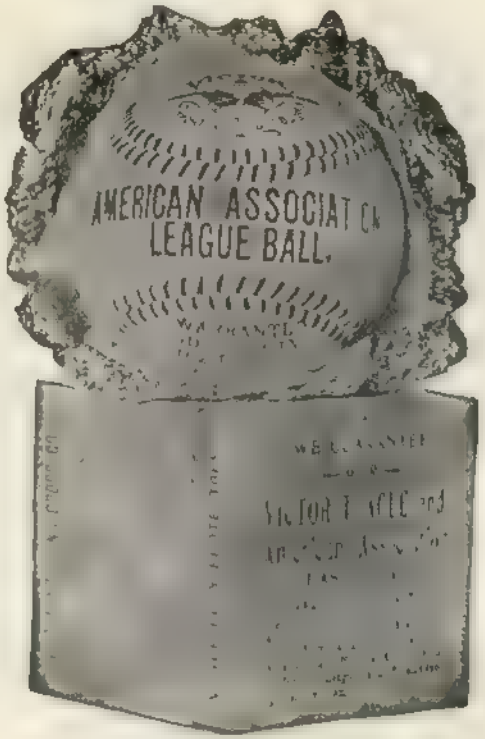
No. 10 Natural maple, 28 inches long, highly polished, six dozen in a crate, weight 130 pounds.....per dozen, **$1.70**

No. 5 Red, 28 inches long, plain smooth finish, six dozen in a crate, weight about 110 pounds.....dozen **$0.96**

BASEBALLS



No. 91 This ball is constructed throughout from the very best materials and displays the finest grade of skilled workmanship, packed in tinfoil in sealed boxes, each . $1 25



No. 91A Made in accordance with recognized specifications from the best materials, packed in tinfoil in sealed boxes, each.. .. $1

Victor National Association, regulation in size and weight, and fully guaranteed, horsehide cover, rubber center, all wool yarn.

No. 88 Each . $1 00

Victor College League, made with rubber center and wool yarn winding, has selected horsehide cover, and is perfectly sewed.

No. 87 Each . $0.75

One in a box

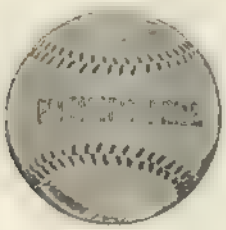
Victor Amateur League, made from selected materials, official in size and weight, carefully sewed, horsehide cover and rubber center.

No. 92 Each . $0 50

Victor Junior League, standard Junior size, rubber center, selected horsehide cover and high grade stitching

No. 51 Each . $0 25

One in a box



Victor Pitchers' Pride, full regulation size and weight, with horsehide cover. A well made ball, with careful stitching and rubber center.

No. 52 Each $0.25

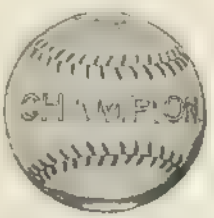
Victor Little Victor, standard boys' size with beva waterproof cover. A substantial, well sewed ball. Individual sealed box

No. 58 Each $0.10

One in a box

Victor Star, standard size 5-cent ball, with beva waterproof cover, durable center and careful stitching.

No. 59 Each $0.05



Victor Champion, extra size ball, carefully made and stitched, firm center and beva waterproof cover.

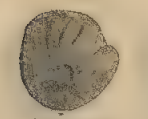
No. 59A Each $0 05

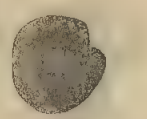
One dozen in a box

Weight per dozen about 4 pounds

CATCHERS MITTENS

REACH





REACH PROFESSIONAL

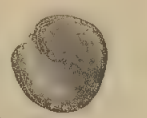
Per Dozen

No. R9A Left Hand Full Lined Finest Brown Calfskin Face, Quality Face and Strap Made In One Modified Pocket Patented Lacing Device, Laced Thumb Deep Pocket Strap and Buckle on Wrist Padded with Best Animal Hair Formed and Sewed Full Parts Double Stitched Double Stitching on Edge and Back to Protect Fingers, Special Reinforced Back and Leather Laced, Weight per Doz 30 lbs $132 00

REACH SPECIAL

Per Dozen

No. R8A Left Hand Full Lined Finest Brown Calfskin Face and Finest Brown Calfskin Back Patented Lacing Device Laced Thumb Deep Pocket Strap and Buckle on Wrist Padded with Best Animal Hair Formed and Sewed Full Parts Double Stitched Double Stitching on Edge and Back to Protect Fingers, Special Reinforced Back and Leather Laced, Weight per Dozen 28 lbs $114 00



REACH SPECIAL

Per Dozen

No. R7A Left Hand Full Lined Finest Brown Calfskin Face and Finest Brown Calfskin Back Patented Lacing Device Laced Thumb Deep Pocket Strap and Buckle on Wrist Padded with Best Animal Hair Formed and Sewed Full Parts Double Stitched Double Stitching on Edge and Back to Protect Fingers, Special Reinforced Back and Leather Laced, Weight per Doz 26 lbs $125 00

REACH SPECIAL

Per Dozen

No. R2B—Left Hand, Full Laced Finest Black Calfskin Face, ... Deep Pocket Strap and Buckle on Wrist Padded with Best Animal Hair Formed and Sewed Full Parts Double Stitched Double Stitching on Edge and Back to Protect Fingers, Special Reinforced Back and Leather Laced, Weight per Dozen 26 lbs $100 00

REACH SPECIAL

Per Dozen

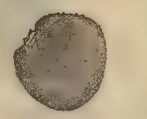
No. R3B Left Hand, Full Laced Finest Olive Calfskin Face and Fingers, Tan Calfskin Back, Patented Lacing Device Laced Thumb, Deep Pocket Strap and Buckle on Wrist, ... Double Stitching on Edge and Back to Protect Fingers, Special Reinforced Back and Leather Laced, Weight per Dozen 28 lbs $61 00

Twelfth Dozen in a Box

Any of the Above Mittens Can be Furnished in Right Hand or Special Order Direct From Factory at Same Prices

CATCHERS MITTENS

REACH



Per Dozen

No. R5D Left Hand Full Laced Finest Dark Shade Calfskin Face and Fingers, Tan Calfskin Back and Strap, Deep Pocket Strap and Buckle at Wrist, Padded with Best Animal Hair Formed and Sewed Full Parts Double Stitched Double Stitching on Edge and Back to Protect Fingers, Special Reinforced Back and Leather Laced, Weight per Dozen 30 lbs $90 00

Per Dozen

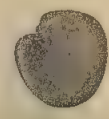
No. R6D Left Hand Full Laced Finest Dark Shade Calfskin Face and Fingers, Tan Calfskin Back and Strap, Deep Pocket Special Side Leather Finger Protector, Large Model Patented Lacing Device, Laced Thumb, Inside Hump, Deep Pocket, Strap and Buckle at Wrist, Weight per Dozen 26 lbs $102 00

Twelfth Dozen in a Box

Per Dozen

No. R200 Left Hand Full Laced Finest Mouse Color Buckskin Face and Fingers, Fine Grained Tan Leather Back and Strap, Patented Lacing Device, Laced Thumb, Inside Hump, Deep Pocket, Strap and Buckle at Wrist, Weight per Dozen 24 lbs $38 00

Twelfth Dozen in a Box



Per Dozen

No. R65 Left Hand Round Edge Large Size Boys Model ... Dark Brown Calfskin Face Tan Leather Strap Patent Lacing Device Tan Leather Back Deep Pocket Weight per Dozen 18 lbs $8 00

Quarter Dozen in a Box

Per Dozen

No. RM Left Hand ... Finest Dark Brown Calfskin ... Tan Leather Back and Strap, Deep Pocket Special Side Leather Finger Protector, Patented Lacing Device, Laced Thumb, Inside Hump, Deep Pocket, Strap and Buckle at Wrist, Weight per Dozen 24 lbs $4 00

Half Dozen in a Box

Any of the Above Mittens Can be Furnished in Right Hand to Special Order, Direct From Factory at Same Prices

"DIAMOND EDGE IS A QUALITY PLEDGE"

BASEMEN'S MITTENS

REACH

REACH SPECIAL
For Basemen or Pitchers

Per Dozen
No. RSF Left Hand 14-Inch Extra Deep Full Dark Brown Selected Back and Finger Padding, Open Back, 4-in. Felt, Patent Lacing Device, Laced Thumb, Deep Mouth, Open Pocket, Snap and Buckle at Wrist, Weight per Dozen 18 lbs. ... $56.00

Per Dozen
No. R4L—Left Hand Full Lined Heavy Horse Cahoide Cotton Facing Deep Full Thumb Inside Lining Deep Pocket Strap and Buckle at Wrist Padded and Laced Across Back of Fingers Dozen 16 lbs ... $30.40

Per Dozen
No. R5RN—Left Hand, Full Lined Made Extra Deep Dark Tanned Leather Facing, Long Deep Lacing Thumb, Inside Hump, Deep Pocket, Strap and Buckle at Wrist, Padded with Soft Asbestos Felt, Weight per Dozen 12 lbs ... $28 00

Twelfth Dozen in a Box

FIELDERS MITTENS

REACH

REACH SPECIAL

Per Dozen
No. RCF—Left Hand, Half Lined, Brown Tanned Calf Glove Model, Open Back, Deep Pocket, Strap and Buckle at Wrist, Patent Laced Thumb and Deep Pocket, Weight per Dozen 9 lbs ... $48 00

Per Dozen
No. R5F Left Hand; Pearl Colored Calfskin Welted Padded with Best Wool Felt, Strap and Buckle at Wrist; Patent Laced Thumb and Deep Pocket, Weight per dozen 8½ lbs $33.00

Per Dozen
No. R5S—Left Hand; Plain Brown Tan Leather Padded with Best Felt, Strap and Buckle at Wrist Patent Laced Thumb and Deep Pocket, Weight per Dozen 7¾ lbs ... $18.00

Per Dozen
No. R2B—Left Hand, Youths Pearl Finish Calfskin, Welted with Best Felt and Reinforced Strap at Curl Laps Fastening at Wrist, Patent Laced Thumb and Deep Pocket, Weight per Dozen 7½ lbs ... $8.00

Twelfth Dozen in a Box

FIELDERS GLOVES

REACH

Per Dozen
No. R59—Left Hand, Olive Tan, Leather; Full Leather Face, Lining Welted Seams, Full Face, Inside Hump and Deep Mouth, Open Thumb Strap and Buckle at Wrist, Weight per Dozen 9 lbs ... $18.00

Per Dozen
No. R53—Boys; Left Hand, Brown Tan Leather, Felt Padded, Inside Hump, Web Thumb, Open Pocket, Strap and Buckle at Wrist, Weight per Dozen 2¼ lbs. ... $3.00

Per Dozen
No. R8G—Left Hand; Black Tanned Leather; Welted Seams; Light Padded Inside Hump, Deep Pocket, Web Thumb, Strap and Button at Wrist, Weight per Dozen 9 lbs ... $20.40

A Fielders Glove, Two in a Picture in a Box, same as No. R53, Half Dozen in a Box

Any of the Above Mittens and Gloves Can be Furnished in Right Hand to Special Order, Direct From Factory, at Same Prices

CATCHERS MASKS

*DIAMOND BRAND

MEN'S

OFFICIAL LEAGUE

Per Dozen
No. 100 Extra Best Quality Heavy Electro Welded Frame, No Wire in Center to Obstruct the Vision, Very Latest Construction; Black Rubber Enamel Finish, guaranteed not to Break, Finest Leather Stuffed and Padded with Best Hair and Soft Felt, Cradle Felt and Soft Laced Leather Chin Rest, Open Face, offers the very Greatest Protection to the Face and Head, Weight per Dozen 24 lbs ... $60 00

OFFICIAL LEAGUE

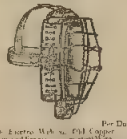
Per Doz
No. 250—Wide Vision Electro Welded Black Rubber Enamel Finish, Special Steel Wire, Solid Welded Joints, Guaranteed not to Break, Extension Neck Protector, Padded Black Leather Sweatband, Has a the very Latest Improvements in Catchers Masks Fitted with Two Long Leather Face Pads and Forehead Pad, Face Pads filled with Felt and Laced around Frames, Leather Chin Rest Padded this Mask offers the Greatest Protection to the Face and Head, Weight per Dozen 28 lbs. $31.00

PROFESSIONAL

Per Dozen
No. 300 Wide Vision Electro Welded Black Rubber Enamel Finish Special Steel Wire, Solid Welded Joints Guaranteed not to Break Finest Leather Sweatband with Felt and Laced around Frame, Face Pads and Forehead Pad filled with Best Felt and Laced to Frame; Leather Chin Rest; Weight per Dozen 26 lbs. $46.00

AMATEUR

Per Dozen
No. 200 Electro Welded, Black Rubber Enamel Finish, Medium Weight Steel Wire, Solid Welded Joints Guaranteed not to Break, Finest Leather Sweatband with Felt and Laced around Frame, Face Pads and Forehead Pad filled with Best Felt and Laced to Frame; Leather Chin Rest; Weight per Dozen 18 lbs. $36.00



Per Dozen
No. 350 Electro Welded, Full Copper Plated Frame, Nickel Steel Wire, Solid Welded Joints, Finest Leather Face Pads and Forehead Pad, filled with Best Felt and Laced around Frame; Leather Chin Rest Padded, Weight per Dozen 16 lbs. ... $97.00

Per Dozen
No. 125—Electro Welded, Black Rubber Enamel Finish, Medium Weight Steel Wire, Solid Welded Joints; Padded with Best Leather Face Pads Laced around Frame; Adjustable perforated and Moulded Chin Rest, Weight per Dozen 16 lbs. ... $21 00

Per Dozen
No. 100 Steel Electro Welded, Full Enamel Finish, Medium Weight Steel Wire, Solid Welded Joints; Padded with Best Leather Face Pads Laced around Frame, Adjustable Perforated and Moulded Chin Rest, Weight per Dozen 15 lbs. ... $17.50

YOUTHS AND BOYS

Per Dozen
No. 75 Semi-electro Welded, Silver Luster Finish, Medium Size Wire, Padded with Long Leather Face Pads Reversed to Form Forehead and Chin Pad, Weight per Dozen 12½ lbs. ... $12.00

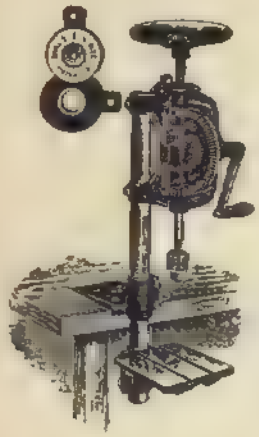
Per Dozen
No. 50 Semi-electro Welded, Silver Luster Finish, Medium Size Wire, Padded with Long Leather Face Pads Wired to Frame, Laced Sides, Weight per Dozen 11½ lbs ... $9.00

Per Dozen
No. 25—Semi-electro Welded, Silver Luster Finish, Medium Size Wire, Fitted with Long Leather Face Pads Wired to Frame, Laced Sides, Weight per Dozen 10 lbs. ... $4.00

All Masks Twelfth Dozen in a Box, Except No. 25, Half Dozen in a Box

"DIAMOND EDGE IS A QUALITY PLEDGE"

BENCH DRILLS



GOODELL-PRATT

With Patent Automatic Feed.

Two Speeds, Cut Gears, Polished Steel Tubing Upright Shaft, 1¼ in. Diameter, 24 in. Long.

Each

No. 491—Red and Black Enameled Iron Parts, Polished Steel Parts, 6x6½ in. Milled and T-Slotted Table Adjustable Up or Down and Right or Left, All Steel Chuck Holding 0 to ½ in. Round Shank Drills, Weight Each Boxed 45 Lbs..... $22.00

The Patent Automatic Feed is controlled by a nut on top of the frame which may be set on the dial to regulate the proper pressure for the size of drill which is to be used. The feed does not operate until the point of the drill actually comes in contact with the work. Reversing the handle instantly releases the feed and runs the feed screw back to its original position. Great care should be exercised when this machine is used with a drill under ⅛ in. in size.

YANKEE, BALL BEARINGS

With Automatic Friction and Ratchet Feeds.

Dead Black Finished Frame, Nickel Plated Chuck, Complete with Wrench, Steel Spindle, Steel Chuck with Hardened Jaws, Gears Cut from the Solid Metal, Steel Feed Screw with Ball Bearings at End, Tempered Wearing Parts.

Each

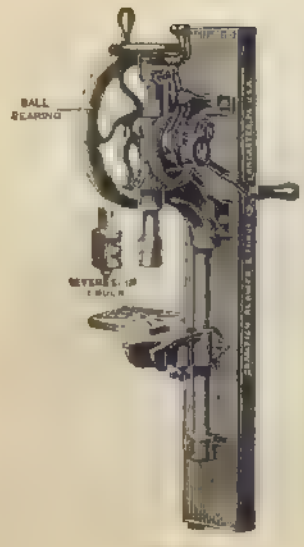
No. 1003—**Single Speed**, Traverse of Automatic Feed 1½ in., Diameter of Table 4¾ in., Adjustment of Table in Bracket 1¼ in., Adjustment of Bracket 2¾ in., Extends Below Top of Bench 4¼ in., Extends Above Top of Bench 14½ in., Length Over All 18¾ in., Chuck Holds Up to ¼ in., Net Weight 10¼ Lbs., Gross Weight 20 Lbs. . $10 00

No. 1005—**Double Speed**, Traverse of Automatic Feed 2 in., Diameter of Table 6¾ in., Adjustment of Table in Bracket 1¾ in., Adjustment of Bracket 5 in., Extends Below Top of Bench 6 in., Extends Above Top of Bench 22 in., Length Over All 28 in., Chuck Holds Up to ½ in., Net Weight 29 Lbs., Gross Weight 57 Lbs..... 16.50

These Drills have two feeds, friction for rapid movement of spindle and ratchet to feed drill. Feed adjusted for drills from No. 45 up, to work without breaking and is thrown off automatically top or bottom to prevent jamming. Table has vertical adjustment on bracket also adjustable bracket, both are removable.

One in a Box.

POST DRILLS



No. 90.

CHAMPION BLACKSMITHS'

Automatic Self-Feed, Back Gears, One Speed.

Each

No. 90—43 in. High, Drills Holes up to 1 in., Drills to Center of 14½ in. Circle, 1½ in. Diameter Spindle, Up and Down Run of Spindle 3 in., Up and Down Run of Table 11¾ in., Spindle Bored Like "Neverslip" Chuck for ½ in. Round Shank Drills, Weight Each 100 Lbs..... $8 50

WESTERN CHIEF BLACKSMITHS'

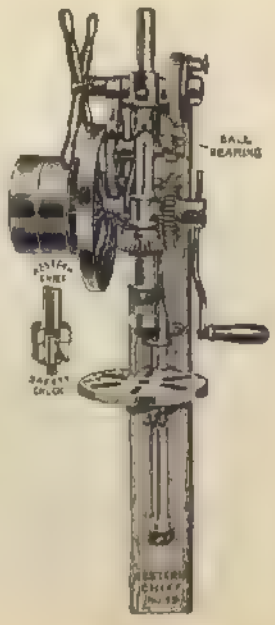
Combined Hand and Self-Feed.

Each

No. 19—49 in. High, Drills Holes Up to 1¼ in., Drills to Center of 16½ in. Circle, Up and Down Run of Spindle 5½ in., Up and Down Run of Table 11 in., Greatest Distance from Table to Spindle 14 in., Ball Bearing and Safety Chuck, Spindle Bored for ½ or ⅝ in. Round Shank Drills, **(Always State Size when Ordering)**, Weight Each 130 Lbs..... $20.00

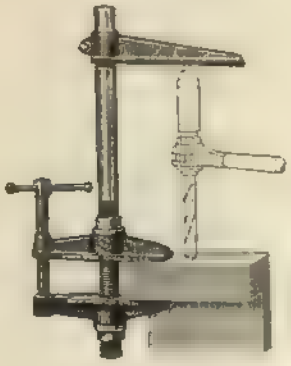
No. 19P—Same as No. 19, but with 8x2 in. Tight and Loose Pulleys, for Hand and Power Use, Pulleys Should Run 190 to 200 Revolutions Per Minute, Weight Each 114 Lbs..... 22 50

The Hand and Self-Feed are independent of each other, and for quick work, such as wood boring, the drill is unsurpassed, as bit is quick-lifted.



No. 19P

DRILLING POSTS



ARMSTRONG Adjustable Clamp. For Use with Ratchet Drills.

Drop Forged Steel.

Exceptionally Well Designed and Made from Drop Forged and Bar Steel Throughout, with Alloy Steel Heel Screw, Collar Screw and Nuts are Hardened.

Each

No. C10—Height of Post 20 in., Diameter of Post 1¼ in., Arm Radius 10 in., Clamp Capacity 4½ in., Weight Each 27 Lbs.... .... **$8.00**

The nuts have convex bearing surface fitting concave seat in clamp jaws and holes through jaws have ample clearance, thus permitting the clamp jaws to tilt freely without danger of bending the post. Especially adapted for bridge and structural iron workers.

One in a Box

BENCH DRILLS

MILLERS FALLS

Consists of the standard and fixtures that convert a hand drill into an effective small bench drill.

Simple and strong in construction.

Makes a most convenient tool.

Hand drill is easily inserted and removed. A sensitive compound lever feeds drill into the work rapidly for wood or more slowly for metal as may be desired.

Steel and Iron Construction, Japanned.

Each

No. 22—Height Above Bench 15½ in., Distance Between Chuck and Table when Former is Raised to its Highest Point 6⅛ to 7⅛ in. According to Hand Drill Used, Sensitive Compound Lever Feed, without Drill, Weight Each Boxed 8 Lbs. **$8.25**

Holds Nos. 1, 01, 2, 2B, 02, 5, 05, 105 and 107 Millers Falls Drills

Each

No. 21 24 in. High, Changeable Speed from Even to 3 to 1, Extension Crank with Radius from 5 to 6½ in., with Star Chuck for Round Shanks from 0 to ⅛ in. Diameter, Complete with Vise, Weight Each Boxed 30 Lbs. **$11.00**

Vise swings on pin off center, permitting its use in many positions; may be used horizontally, on an angle, or reversed and table turned uppermost.

One in a Box.

BENCH DRILLS

MILLERS FALLS

This standard and fixtures readily converts a breast drill into an efficient bench drill for metal drilling.

A thoroughly practical tool that makes a breast drill serve a double purpose

The drill may be swiveled into many positions and clamped at varying heights either above or below bench.

The vise is swung on a pin off center and so can be used in any position or at any angle with the frame, vertical to horizontal, or completely reversed and the table turned uppermost.

Hand feed with side handle conveniently located at top gives quick feed action.

Each

No. 20—Height of Standard 24 in., Steel Feed Gears, Polished Steel Post and Machined Parts, Other Metal Parts Japanned, without Drill, Weight Each Boxed 28 Lbs. **$7.50**

This tool can be used with all Millers Falls Breast Drills except Nos. 13, 13A, 19, 019, 29, 029, 112, 130, 190, 191, 212, 290, 291 and 312.

One in a Box.

GOODELL-PRATT

With Patent Automatic Feed.

This drill has an Intermittent Friction Feed controlled by a nut on top of frame. This nut can be set to regulate the pressure properly for the size of drill in use, saving much drill breakage where operator is inexperienced. The feed does not operate until the drill actually strikes the work. Reversing the handle instantly releases the feed and runs the feed screw back rapidly to its original position. The steel spindle is topped by a balance wheel that equalizes its movement. There are two speeds that are easily changed by turning the shifter knob on front of frame All gears are cut from solid blanks

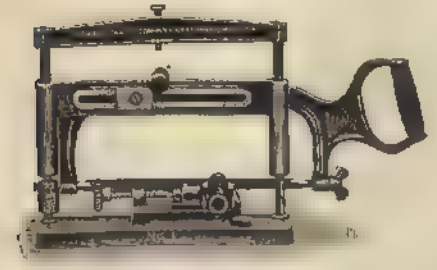
Each

No. 490—Height Above Table 18 in., Black and Red Enameled Iron Parts, Polished Steel Parts, Adjustable Table with Turned and Polished Top, All Steel Chuck Holding 0 to ⅜ in. Round Shank Drills, Complete with 8 Fluted Tool Steel Drill Points, 1/16 to 1/4 in., Weight Each Boxed 20 Lbs. **$11.00**

One in a Box

BENCH HACK SAWS

GOODELL-PRATT



Very useful in any shop where power is not available. By its use even an unskilled operator can cut metal rods or tubing rapidly and smoothly without breaking blades. The vise attached to the bed can be set to saw at any desired angle.

Made entirely of iron and steel, this machine is capable of long service under hard use Finished in red and black enamel.

Each

No. 1—Takes 8 or 9 in. Blades, 10¼ in. High, 10¾x3¾ in. Base, 6¾ in. Stroke, Vise has 2¼ in. Jaws Opening 2 in., Extreme Capacity 2x2 in., Complete with One 9 in. Blade, Net Weight 10¾ Lbs., Shipping Weight 16 Lbs $4 50

One in a Box

POWER HACK SAWS

MILFORD

Special Features:

Quick Return Stroke.

Automatic Lifting Device.

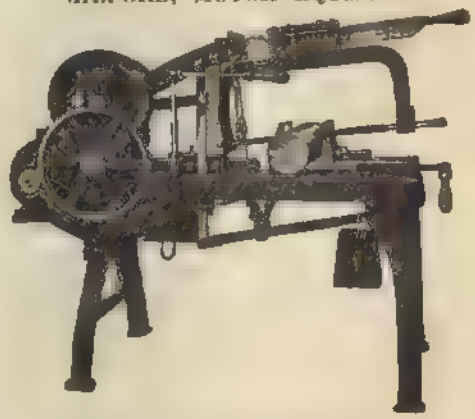
The Quick Return feature saves time, while the Automatic Lifting Device prolongs the life of the blade.

Each

No. 4—Height Over All 41 in., Height of Work Table 27 in., Stroke 5¾ in., Takes 10, 11 or 12 in. Blades, Covered Machine Cut Gears, 6x1⅝ in. Clutch Pulley, Machine Geared Back, 4 to 1, Automatic Stop, Cutting Capacity 5x5 in., Gravity Feed, Floor Space 20x40 in., Complete with Six 12x⅞ in. Blades with 14 Teeth to the Inch, Weight Each 200 Lbs. $45 00

This machine is well and substantially built in every detail. Provision has been made for adjustment at principle wearing points

MILFORD, MOTOR EQUIPPED



Cut Shows Saw Equipped with Motor. Each

No. 6—Height Over All 44 in., Height of Work Table 24 in., Stroke 6 in., Takes 14 or 17 in. Blades, Covered Machine Cut Gears, 10x2¾ in. Clutch Pulley, Machine Geared Back 4 to 1, Automatic Stop, Cutting Capacity 8x8 in., Swivel Vise to 45 Degree Angle, Gravity Feed, Floor Space 20x46 in., Complete with Two 14x¾ in. Blades with 10 Teeth to the Inch, without Motor, Weight Each 375 Lbs. $75.00

No. 6M—Same as No. 6, but Equipped with ¾ H. P. Motor. . . . . Price on Application

Note—When ordering Saw with motor, it is necessary to give particulars as to current and voltage available, and if alternating current, advise cycle and phase of system on which motor is to operate

SCROLL SAWS

STAR

With Automatic Dust Blower.

Iron Frame, Japanned Black with Red and Gilt Stripes, Steel Arbors, Best Selected Ashwood Arms and Pitman, Heavy Drive Wheel.

Each

No. 387—37 in. High, Depth of Arms 18 in., Nickel Plated Tilting Saw Table, Lever Saw Clamps, Adjusting Saw Guide, with Two Balance Wheels, One Each of Iron and Emery, Net Weight 40 Lbs., Boxed Weight 60 Lbs. $10.50

A well balanced and steady machine. The arms are hung in the middle of their supporting casting to give free and easy motion, and are adjustable so that they may be kept parallel.

One in a Wooden Box, Knocked Down.

NEW ROGERS

With Automatic Dust Blower.

Iron Frame, Japanned Black with Red and Gilt Stripes, Steel Arbors, Best Selected Ashwood Arms and Pitman

Each

No. 1—35 in. High, Japanned Tilting Table, Iron Balance Wheel, Complete with 12 Saw Blades, 1 Wrench, 3 Sheets of Designs, 1 Awl, Impression Paper and 3 Drill Points, Net Weight 28 Lbs., Boxed Weight 45 Lbs. $7.00

No. 2—With Nickel Plated Tilting Table and Emery Balance Wheel, Otherwise Same as No. 1. . . . . 8.00

Bearings to the arms are carefully adjusted. A jointed stretcher rod permits free action of arms.

One in a Wooden Box, Knocked Down

HACK SAW FRAMES

STAR "PISTOL GRIP" EXTENSION

Per Dozen

No. 1027—Takes 8 to 12 in. Blades, $\frac{7}{16}$x$\frac{1}{16}$ in. Polished and Nickel Plated Stiff Steel Frame, Depth Under Back 3¼ in., Black Composition Handle Fitting Any Hand, Complete with One 10 in. Blade, Weight Per Dozen 18 Lbs. **$21.00**

The handle is secured to the frame by a steel rib extending nearly the full length of the handle and is shaped so as to make the tool correctly balanced. The blade is strained by a thumb nut and screw stud and may be faced in four directions.

One-twelfth Dozen in a Box.

UNIVERSAL "AUTOMATIC GRIP" EXTENSION

Per Dozen

No. 11—Takes 8 to 12 in. Blades, $\frac{5}{8}$x$\frac{7}{16}$ in. Sherardized Steel Frame, Distance from Bottom of Frame to Tooth Edge of Blade 3⅛ in., Sherardized Semi-Steel Grip and Guide, Complete with One 8 in. Blade, Weight Per Dozen 26 Lbs. **$15.00**

An all around extension frame suited to all purposes, but finished with special regard to outdoor usage, or in places where it will not receive the best of care. Will not break or buckle and, being sherardized, will not rust

One-sixth Dozen in a Box.

UNIVERSAL "EASY GRIP" EXTENSION

Per Dozen

No. 12—Takes 8 to 12 in. Blades, $\frac{5}{8}$x$\frac{7}{16}$ in. Full Nickel Plated Stiff Steel Frame, Distance from Bottom of Frame to Tooth Edge of Blade 3⅛ in., Composition "Easy Grip", Case Hardened Parts, Complete with One 8 in., Blade. Weight Per Dozen 25 Lbs. **$18.00**

Can be used to advantage as far as the arm can reach. In fact, it is just what the name implies, "Easy Grip". Extension features all retained. A rigid solid back with all advantages possible

One-sixth Dozen in a Box.

UNIVERSAL "EASY GRIP" EXTENSION

Per Dozen

No. 14—Takes 8 to 12 in. Blades, $\frac{5}{8}$x$\frac{7}{16}$ in. Full Nickel Plated Stiff Steel Frame, Distance from Bottom of Frame to Tooth Edge of Blade 3⅛ in., Composition "Easy Grip", Case Hardened Parts Complete with One 8 in Blade, Weight Per Dozen 27 Lbs **$21.00**

The handle is brought forward close to the saw blade and the housing for the body is extended 2¼ in. forward of the post. This construction insures great rigidity and provides a frame of very great strength.

One-sixth Dozen in a Box.

STAR

Per Dozen

No. 18—Takes 11 and 12 in. Blades, 1x¼ in. Polished and Nickel Plated Heavy Stiff Steel Frame, Depth Under Back 3 in., Hardwood Handle, Complete with One 12 in. Blade, Weight Per Dozen 27 Lbs. **$22 50**

The blade is strained by turning of the handle and may be faced in four directions. Has a knurled check nut, forced by a spring to overlap and hold blade in place while it is being inserted in the frame

One-twelfth Dozen in a Box.

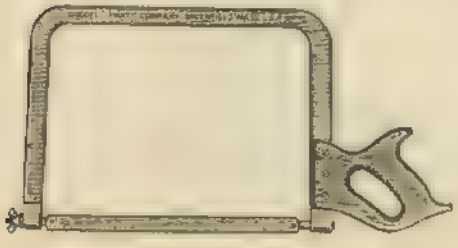
STAR

Per Dozen

No. 15—Takes 12 in. Blades Only, 1x¼ in. Polished and Nickel Plated Heavy Stiff Steel Frame, Depth Under Back 5¼ in., Hardwood Handle, Complete with One 12 in. Blade, Weight Per Dozen 30 Lbs. **$24.00**

Has a knurled check nut to screw down and overlap the end of blade to hold it in place while it is being adjusted in the frame. The blade is strained by turning of the handle and may be faced in four directions.

One-twelfth Dozen in a Box.



GOODELL-PRATT HEAVY RAIL

Per Dozen

No. 15R—Takes 12 in. Blade Only, ¼x1 in. Polished and Nickel Plated Steel Frame, Depth Under Back 10¼ in., Hardwood Handle, Complete with One 12 in. Blade, Weight Per Dozen 45 Lbs. **$36 00**

Intended to cut rails, girders or other large work where depth of throat is an essential feature.

One-twelfth Dozen in a Box.

THE NEW MODEL "BETZLER" PATENTED SELF-FILLER FOUNTAIN PENS

PERFECTED MODEL BETZLER PATENTED SELF-FILLING, SELF-CLEANING FOUNTAIN PENS the result of years of studied effort to meet the demand of discriminating pen users. A pen that insures the Test of Time for exacting and severe service.

Every Pen is guaranteed. Scientifically correct. Mechanically perfected. Fast thread screw cap, one turn removes or replaces cap—maintains gold pen in airtight chamber—prevents ink drying on the feed or the breaking of cap. Large ink capacity. FINGER PRESSURE FILLS IT CLEANS IT

SHOWING SIMPLE DEVICE COMPLETELY READY TO TAKE INK 2/3 SIZE

SHOWING PEN FILLED 2/3 SIZE

WILL NOT DROP INK—BETZLER PENS ARE LEAK PROOF.

THE BETZLER SELF-FILLING PENS will not leak or drop ink, will feed steadily and evenly, always ready to write the instant pen touches paper.

No metal parts, no holes, slots, levers or bars. No projections, depressions or exposed parts. No locks or parts to obstruct the fingers. No mechanism to rust, corrode bend, warp, expand, contract. No parts that leak.

Can be carried in any position in pocket, bag or trunk, and pen will remain clean, bright and ready to write at first stroke

Our gold pen points are 14 karat solid gold, with the hardest and best quality Iridium points, and can satisfy any demand for smooth, easy writing pens, stiff, medium or soft

Betzler holders are the best quality turned rubber. No molded goods made in Betzler plant.
The Betzler will not drop ink.
Construction scientifically correct.

SPECIFY FINISH OF HOLDER WANTED

Deep black, handsomely polished, fully chased, or mottled smooth holders, with neat, plain design, narrow gold band. Fitted with 14 karat, solid gold pens in the following sizes

FINE DEEP BLACK, CHASED OR SMOOTH MOTTLED HOLDER

No. A1 Fitted with No. 1, 14 karat gold pen, each $3 60
No. A2 Fitted with No. 2, 14 karat gold pen each 4 50
No. A3 Fitted with No. 3, 14 karat solid gold pen, each 5 40

No. A4 Fitted with No. 4, 14 karat solid gold pen (black chased holder only), each 7 1.

FINE DEEP BLACK, CHASED OR SMOOTH MOTTLED HOLDER, WITH NARROW GOLD FILLED BAND

No. B1 Fitted with No. 1 14 karat solid gold pen, each $4 00
No. B2 Fitted with No. 2 14 karat solid gold pen, each .. 4 95
No. B3 Fitted with No. 3 14 karat solid gold pen, each 5 8

No. B4 Fitted with No. 4 14 karat solid gold pen, (black chased holder only), each .. 7 6.

FINE DEEP BLACK CHASED OR SMOOTH MOTTLED HOLDER
Each model is trimmed with ⅜ inch heavy 18 karat rolled gold mounting

No. C1 Fitted with No. 1 14 karat solid gold pen each $5 40
No. C2 Fitted with No. 2 14 karat solid gold pen each 6 2.
No. C3 Fitted with No. 3 14 karat solid gold pen, each 7 2.

No. C4 Fitted with No. 4, 14 karat solid gold pen, (black chased holder only), each 8.50

EXCEPTIONALLY FINE DEEP BLACK, HANDSOMELY POLISHED HOLDER
With full gold filled filigree mounted on both barrel and cap.

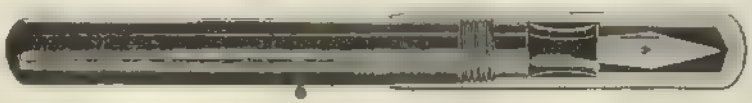
No 86/2 Fitted with No. 2, 14 karat solid gold pen, each $10.75

Betzler Non-Leakable Screw Cap Dropper Filling Fountain Pens

Guaranteed to be made of best material obtainable and fitted with genuine 14k solid gold pens with Iridium points

Selected styles, best quality **Reliability, durability, serviceable** **Illustrations exact size** **Prices Each**

Salient features of these Pens
Screw Cap, Air Tight
Non-Leakable



Showing Pen in air-tight chamber when closed. Carried with safety in vest or trouser pockets or hand bag, or laid in any position.

ALWAYS READY TO WRITE, INK CANNOT DRY UP AND PEN POINT MOIST WHEN CAP IS REMOVED.

EXCEPTIONALLY FINE DEEP BLACK HIGHLY POLISHED FULLY CHASED HOLDER.

No. 75 Fitted with No. 2, 14 karat solid gold pen, each $5.7

EXCEPTIONALLY FINE DEEP BLACK HIGHLY POLISHED FULLY CHASED HOLDER WITH ¾ INCH GOLD FILLED FILIGREE CAP

No. 89 Fitted with No. 2, 14 karat solid gold pen, each..... .....

EXCEPTIONALLY FINE DEEP BLACK HIGHLY POLISHED FULLY CHASED HOLDER WITH GOLD FILLED FILIGREE CAP WITH CHATELAINE RING

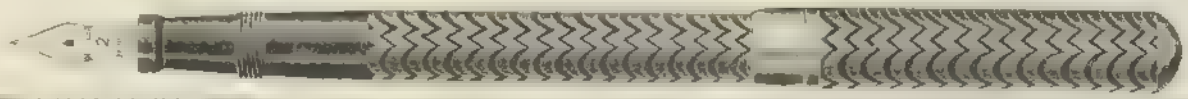
No. 84 Fitted with No. 2, 14 karat solid gold pen, each..... $4.0

EXCEPTIONALLY FINE DEEP BLACK HIGHLY POLISHED FULLY CHASED LARGE BARREL HOLDER

No. 86 Fitted with No. 1, 14 karat solid gold pen, each $5.75

EXCEPTIONALLY FINE DEEP BLACK HIGHLY POLISHED FULL CHASED HOLDER.

7/2 Fitted with No. 2, 14 karat solid gold pen, each ..... $
1 Fitted with No. 3, 14 karat solid gold pen, each
Fitted with No. 4, 14 karat solid gold pen, each
7/6 Fitted with No. 6, 14 karat solid gold pen, each.....



EXCEPTIONALLY FINE DEEP BLACK HIGHLY POLISHED FULL CHASED HOLDER WITH TWO ¾ INCH GOLD FILLED BANDS

Fitted with No. 2, 14 karat solid gold pen, each .....
Fitted with No. 3, 14 karat solid gold pen, each .....
Fitted with No. 4, 14 karat solid gold pen, each.....

EXCEPTIONALLY FINE DEEP BLACK HIGHLY POLISHED FULL CHASED HOLDER WITH TWO GOLD FILLED BANDS

Fitted with No. 2, 14 karat solid gold pen, each .....
Fitted with No. 3, 14 karat solid gold pen, each .....
Fitted with No. 4, 14 karat solid gold pen, each.....

EXCEPTIONALLY FINE DEEP BLACK, HIGHLY POLISHED HOLDER, GOLD FILLED FILIGREE MOUNTINGS WITH LINK

No. 92 Fitted with No. 2, 14 karat solid gold pen, each $7.50

EXCEPTIONALLY FINE DEEP BLACK, HIGHLY POLISHED HOLDER PEARL CENTER WITH TWO GOLD FILLED CHASED BANDS

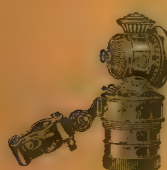
No. 61 Fitted with No. 2, 14 karat solid gold pen, each..... $7.20

BICYCLE LAMPS.

OIL.

No. 245C—Everlit, brass, full nickel plated, height 5¾ in., hinge door with 2½ in. convex lens, removable top for cleaning, w't per doz. 12 lbs., per dozen ..... **AAEJ** $19.20
ONE IN A BOX.

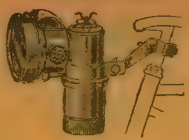
ACETYLENE GAS.



No. 230C—Search-Light, brass, full nickel plated, automatic in action, will not jar out, height 8 in., 2½ in. lens, w't per doz. 24 lbs., per dozen..... **BEBJ** $42.00

No. 10—Old Sol, brass, full nickel plated, special quick action, 2½ in. double convex lens, height 6¼ in., carbide capacity 5 oz., burns 6 to 7 hours, w't per doz. 24 lbs., per dozen ..... **BEBJ** $42.00

ACETYLENE GAS.



No. 3—Old Sol, made of specially prepared brass, full nickel plated, height over all 7 in., diam. of door 4 in., diam. of reflector 3 in., carbide capacity 6 oz., lighting efficiency about 100 candle power, complete with generator and "O" branchet as illustrated, w't per doz. 24 lbs.....per dozen **BHBJ** $48.00

No. 217C— Columbia, brass, full nickel plated, automatic water feed controlled by gas pressure, gas cock regulates the light, jewel side lights, 2½ in. double convex lens, height 5¾ in., w't per doz. 23½ lbs., per dozen.....**BHHJ** $48.00

No. 218—Solar, brass, full nickel plated, new patent valve, turns on or off, both gas and water, produces a light that projects 100 ft., 1¾ in. jewel side lights, 1½ in. reflector, height 7 in., 2¼ in. lens, w't per doz. 25½ lbs.....per dozen **CADE** $52.80

Case lot of 36, w't per case 941/2 lbs., per dozen.....**BIIJ** $49.80

ACETYLENE GAS.

No. 219—Solar, driving, heavy brass, full nickel plated, new patent valve turns on or off, both gas and water, produces a powerful light, 1¾ in. ruby and green side lights, 2 in. removable aluminum reflector, 2½ in. double convex lens, w't per doz. 30 lbs., per dozen .....**CBDJ** $54.00
Bracket is constructed so that lamp can be attached to either side or top of the dash board, suitable for horse-driven vehicles. Burns five hours and is especially recommended for physicians' use.
ONE IN A BOX INCLUDING BRACKET.

BETO GAS.

No. 10A—Heavy gauge brass, nickel plated, height 5¾ in., aluminum reflector, 2½ in. double lens, fish tail burner, 2½ hours carbide capacity, w't per doz. 9 lbs., per dozen .....**AGBE** $28.80
ONE IN A BOX.

GENERATORS.

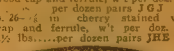
No. 5—New type, double clamp, coupling bottom portion to top, may be readily separated for cleaning and quickly reassembled, fitted with sifting carbide chamber, allowing ashes to fall below, capacity 12 oz. carbide, producing 3¾ ft. of gas, enough to run lamp No. 1 about 9 hours, and lamp No. 8 about 6 hours at full candle power, giving a steady flow of clean cool gas, height 8½ in., diam. 3½ in., without brackets, w't per doz. 24 lbs., per dozen .....**CFJJ** $60.00
ONE IN A BOX.

BICYCLE LAMPS AND HAND GRIPS.

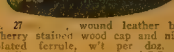
BICYCLE HAND GRIPS.

No. 24—⅞ in., wound leather body, plain wood cap and ferrule, w't per doz. prs. 1 ... per dozen pairs **JGJ** $1.20

No. 26—⅞ in., cherry stained wood cap and ferrule, w't per doz. prs. 1½ lbs.....per dozen pairs **JBE** $1.44

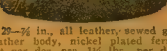


No. 27—... wound leather body, cherry stained wood cap and nickel plated ferrule, w't per doz. prs. 1½ lbs. ..per dozen pairs **AJJ** $1.68



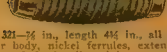
No. 29—⅞ in., all leather, sewed grain leather body, nickel plated ferrule, w't per doz. prs. 1¾ lbs., per dozen pairs .....**AHJ** $3.00

ONE DOZEN PAIRS IN A BOX.



No. 321—⅞ in., length 4¼ in., all rubber body, nickel ferrules, extending beyond the handles giving a cushion effect to the hands and wrists, w't per doz. prs. 6 lbs., per dozen pairs.....**DFJ** $7.68

HALF DOZEN PAIRS IN A BOX.

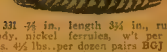


No. 331—⅞ in., length 3¾ in., rubber body, nickel ferrules, w't per doz. prs. 4½ lbs..per dozen pairs **BGJ** $4.50

These grips are longer than the regular grips, so as to do away with the vibration of hands and wrists.

ONE DOZEN PAIRS IN A BOX.

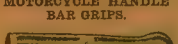
MOTORCYCLE PATTERN BICYCLE GRIPS.



No. 20—Rubber, 6¼ in. long, extends 3½ in. beyond end of handle bar, w't per doz. prs. 20 lbs., per dozen pairs.....**DGJ** $7.80

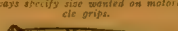
This grip is made in response to the demand from the younger generation for bicycle equipment patterned to look like motorcycle fittings. Takes up far on wrists and hands.

MOTORCYCLE HANDLE BAR GRIPS.



No. M32—**Pennsylvania**, rubber, 8¾ in. long, large knob ends, corrugated, longer than the ordinary grip to take up vibration on the hands and wrists, for 1 in. handle bar, w't per doz. prs 12 lbs. per dozen pairs **JGGJ** $12.80

Always specify size wanted on motorcycle grips.



No. M30—**Rough Rider**, rubber, constructed so as to extend about 4 in. beyond end of handle bar, very pliable, for 1 in. handle bar, w't per doz. prs. 12 lbs., per dozen pairs. . . . . **JGJ** $13.20

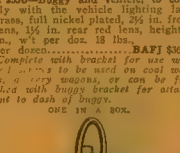
LOOSE.

VEHICLE OIL LAMP.

No. 255G—**Buggy and vehicle**, to comply with the vehicle lighting law, brass, full nickel plated, 2½ in. front lens, 1½ in. rear red lens, height 6 in., w't per doz. 18 lbs., per dozen.....**BAFJ** $36.00

Complete with bracket for use with top buggies to be used on coal wagons, ice cart wagons, or can be furnished with buggy bracket for attachment to dash of buggy.

ONE IN A BOX.



No. 217BG—**Columbia, buggy, gun metal finish, jewel side lights, 2½ in. lens, height 7½ in., fitted with heavy bail and dashboard bracket, w't per doz. 27 lbs., per dozen..... **CJJJ** $50.00

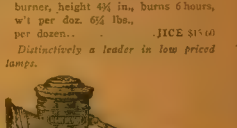
Automatic water feed, controlled by gas pressure.

OIL.

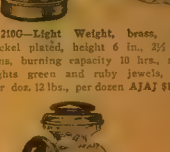
No. 58G—**Enameled**, 2¾ in. dome lens, detachable plated reflector, 2¾ in. burner, height 4¼ in., burns 4 hours, w't per doz. 6¾ lbs., per dozen.....**EGE** $9.60

No. 59G—**Lumo**, nickel plated, 2¾ in. dome lens, plated reflector, ¾ in. burner, height 4¾ in., burns 6 hours, w't per doz. 6¾ lbs., per dozen.. . . .**JICE** $15.60

Distinctively a leader in low priced lamps.



No. 210G—**Light Weight, brass**, full nickel plated, height 6 in., 2½ in. lens, burning capacity 10 hrs., side lights green and ruby jewels, w't per doz. 12 lbs., per dozen **AJAJ** $16.80



No. 212G—**Solar**, brass full nickel plated, removable top head, adjustable reflector and wick lock burner, 2½ in. double convex lens, ¾ in. red jewel side lights, combination head and fork bracket, height 6 in., w't per doz. 15 lbs., per dozen **AEGJ** $36.00

Case lots of 48, w't per case 80 lbs **ADIJ** $24.00

STEEL BALLS

Made of First Quality Hardened Tool Steel

BICYCLE SIZES	Per 100	AUTOMOBILE SIZES	Per 100
1-8 inch—Weight per 1000 ½ lbs	$0 60	7-16 inch—Weight per 100 4.4 lbs	$6.00
5-32 inch Weight per 1000 1 lbs	2 00	7-16 inch Weight per 100 4.4 lbs	4.50
9-32 inch Weight per 1000 2 lbs	3 00	9-16 inch Weight per 100 5 lbs	3.00
7-32 inch Weight per 1000 3 lbs	5 00	11-16 inch—Weight per 100 6 lbs	6.50
1-4 inch Weight per 1000 5 lbs	8 00	13-16 inch—Weight per 100 6 lbs	6.50
9-32 inch—Weight per 1000 8 lbs	8 00	15-16 inch—Weight per 100 6 lbs	7.50
For 5 Thousand in a Package		½ inch Weight per 100 7 lbs	6.00
5-16 inch—Weight per 1000 8 lbs	8 50	15-16 inch Weight per 100 7 lbs	10.00
3-8 inch—Weight per 1000 8 lbs	25 00	1 inch Weight per 100 9 lbs	12.50
Half Thousand in a Package		Loose	

BALL CUPS

NOTE—Dimensions given are for Cups after being finished.

Inside View Outside View

These Cups have Soft Steel Outside Shells of such thickness that they can be formed to fit any spoke hole. The small depth of Hardened Tool Steel prevents the Outside Shell under Heavy Pressure, will never become loose, Provided with Groove for the accumulation of Dirt and Grit.

Nickel Plated and Put up in Pairs.

FOR HUBS	Per Set
No. 60—Fits Hubs 15/16 to 1 3/16 inch	$18 50
No. 100—Fits Hubs 1 1/16 to 1 5/16 inch	16 00

FOR HANGERS	Per 100
No. 101—Fits Hangers 1¼ to 1 13/16 Inch	$35 00
No. 102—Fits Hangers 1 15/16 to 2 5/8 Inch	31 00
Loose	

STAMPED HEAD FITTINGS

NICKEL PLATED

In Sets Complete as Shown

	Per Set
No. 8A—For 1 inch Stems: Weight per Set 4 ozs.	$0.80
Loose	

BALL RETAINERS

STAR

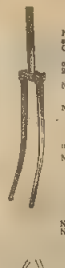
Retainers Only

Balls are not included in Prices below

Order by Number Only

	Per 100
No. 5—Size 9/32 Inch For Seven Per Inch Balls, Adapted to Rugby Bicycle Front Hubs	$0 90
No. 6—Size 5/16 Inch, For Seven Per Inch Balls, Adapted to Rugby Bicycle Front Hubs	1 00
No. 8—Size 11/32 Inch, For Seven Per Inch Balls, Adapted to Rugby Bicycle Rear Hubs	1 00
No. 10—Size 3/8 Inch, For Seven Per Inch Balls, Adapted to Rugby Bicycle Rear Hubs	1 00
No. 12—Size 1 Inch, For Seven Per Inch Balls, Adapted to Motorcycle Front Hubs	8 00
No. 16—Size 1 Inch, For Seven Per Inch Balls, Adapted to Motorcycle Rear Hubs	8 00
No. 23—Size 1 Inch, For Eight Per Inch Balls, Adapted to Motorcycle Hubs	9 00
No. 24—Size 1 Inch, For Nine Per Inch Balls, Adapted to Jordan Motorcycle Hubs	9 00
No. 31—Size 1 Inch, For Nine Per Inch Balls, Adapted to Jordan Motorcycle Hubs	30 00
No. 37—Size 1 Inch, For Nine Per Inch Balls, Adapted to Thomas Motorcycle	19 00
No. 42—Size 1 Inch, For Eight Per Inch Balls, Adapted to Motorcycle Hubs	19 00
No. 44—Size 2⅛ Inch, For Eight Per Inch Balls, Adapted to Motorcycle Hubs	19 00
No. 45—Size 2⅛ Inch, For Eleven Per Inch Balls, Adapted to Motorcycle Hubs	11 00
No. 54—Size 2⅛ Inch, For Eleven Per Inch Balls, Adapted to Rugby Bicycle Hubs	11 00
No. 59—Size 2⅛ Inch, For Seven Per Inch Balls, Adapted to Rugby Bicycle Hubs	11 00
No. 60—Size 1 Inch, For Eight Per Inch Balls, Adapted to Rugby Bicycle Hubs	11 00
No. 63—Size 2⅛ Inch, For Ten Per Inch Balls, Adapted to Rugby Bicycle Hubs	11 00
No. 64—Size 1 Inch, For Ten Per Inch Balls, Adapted to Rugby Bicycle Hubs	11 00
No. 66—Size 2⅛ Inch, For Eleven Per Inch Balls, Adapted to Rugby Bicycle Hubs	11 00
No. 68—Size 2⅛ Inch, For Seven Per Inch Balls, Adapted to Rugby Bicycle Hubs	11 00
No. 73—Size 1 Inch, For Seven Per Inch Balls, Adapted to Rugby Bicycle Hubs	9 00
No. 76—Size 1⅛ Inch, For Eight Per Inch Balls, Adapted to Rugby Bicycle Hubs	9 00
No. 87—Size 2⅛ Inch, For Twelve Per Inch Balls, Adapted to Certain Brakes and Hubs	11 00
Loose	

FRONT FORKS



High Grade Materials Seamless Stem, Forged Crown; Not Recessed. The Stems are Threaded down 3 inches and 4½ inches, 24 threads to the inch; they can be Cut Off to Fit Any Length of Head Desired.

They are designed to meet the General Requirements of the Repair Trade, and are carried in Stock in Fit No. 20, 21, or 22 Inch Frame. We Each Weight

	Each
No. 100—1 inch Stem, 6¾ inches long, to fit 20, 21, or 22 inch Frame. We Each 14½ lbs.	$3.30
No. 105—1 inch Stem, 8¾ inches long, to fit 24 inch Frame. We each 15¾ lbs.	3.60

Nickel Plated

Tubing Fork Crowns Stems are Threaded down 3¾ inches, 24 Threads to the Inch

	Each
No. 210—1 inch Stem, 8¾ inches long, to fit 20 and 22 inch Frame. We, each 14 lbs.	$5.00

Loose

FRONT FORK ENDS

DROP FORGED

Made from the Best Steel in the Right Shape

Length 2¼ Inches

	Per Dozen
No. 1B—¾ inch Weight per Dozen 12 ozs	$0 50
No. 1—⅞ inch. Weight per Dozen 13 ozs	60
No. 1A—1 inch Weight per Dozen 18 ozs	80

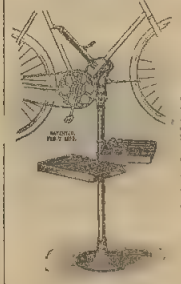
Loose

SEAT POSTS

Seamless Steel Tubing; Drop Forged Top; Nickel Plated over Copper, with Expander. Sizes ⅞ 18-18 and ⅞ inch

	Each
No. 235—2 inch Top 5⅝ Inch Stem Weight 12 ozs.	$0 90
No. 245—2½ inch Top 6⅝ Inch Stem, Weight 15 ozs.	1 00

Loose



BICYCLE REPAIR JACKS

KEENE UNIVERSAL

This Jack is the Most Useful and the Greatest Saving Device for Ordinary Bicycle Repairing Ever Made. It Supports the Rear Wheel Clear of Floor and Pedals, and which a Trifling Pressure of the Operators Foot at Once, but Leaving both Hands Free to Guide the Machine.

The Bicycle is Raised to the Height with Two Hands Operated by Thumb Screws. One Movement Instantly Centers the Rear Wheel, Clearing the Front Forks. The Frame is Held Firmly and Rigid Side for Removing or Assembling Crank Axle Fittings. The Bicycle is Held in the Most Convenient Position for Work on Chain or Drive Gears, Adjusting Bearings, Cleaning, etc.

Construction The Standard is Made of Steel Tubing 33½ Inches in Diameter, Malleable Iron Arms, Clamps, Base and Revolving Shelves, Clamps are Felt Lined where they Bear on Bicycle Frame to Prevent Damage to Enamel. Entire Machine Constructed Against Breakage under Ordinary Conditions.

	Each
No. 1—Wood Shelves	$22 00
No. 2—Wire Shelves	20 00
No. 3—Wire Shelves	18 00

One in a Crate. Weight, Crated 45 lbs.

No. 8—With Cone Shelf, Each $14 00

One in a Crate. Weight, Crated 35 lbs.

RAILROAD ATTACHMENTS

	Each
No. 1—Designed for the Use of those who are Compelled to Ride Railroad, Lastly Attached Axles, but Bicycle Room when Telescoped. Has Universal Wheel Clamp, Adjustable to Any Size Wheel, Rear Wheel Rests on Rubber Rollers, Front Wheel Rests in Clamp	$13 00
No. 2—Designed for the Use of those who are Compelled to Ride Railroad, Lastly Attached Axles, but Bicycle Room when Telescoped. Has Universal Wheel Clamp, Adjustable to Any Size Wheel, Rear Wheel Rests on Rubber Rollers, Front Wheel Rests in Clamp	$10 50

One in a Package

One in a Bundle

Items Marked "Not Carried in Stock" Can Only be Furnished by Shipping Direct from Factory at Keene, N. H.

"DIAMOND EDGE IS A QUALITY PLEDGE"

NOTE

This Burner furnished with these Brazers can be adjusted to any desired Angle and Flame projected in any Direction

HIGH PRESSURE BRAZIER

Clean and Quick in Operation by Face pressure. Forces more Heat Direct from Any other Device on Account of the Same Amount of Work Uses Less Oil. Complete with Gauge, Large Filler Pump, Face Block and Full Directions.

Each

✱No. ¼ 5 Gallon Tank without Pump. $38 70
Shipping Weight 80 lbs.
One in a Case

✱No. 1 10 Gallon Tank with Pump $3 00
Shipping Weight 85 lbs.
One in a Case

BRAZING MATERIALS

SPELTER

Granulated Either Fine or Medium Grain

Per Pound

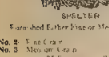
No. 2 Fine Grain $0 50
No. 3 Medium Grain .50
25 Pounds in a Box

SPELTER WIRE

Soft Grade Specially Prepared for Bicycle Brazing

Per Piece

No. 1¼ 36 Inches Long in a Coil $1 00



✱RUGBY BRAZING COMPOUND

A Rough Grade for Use Where the Work Free From Gum is Necessary

Per Pound

Rugby $0 40

One Pound in a Box

SHOP TOOLS

HIGH PRESSURE BRAZER

For both Light and Heavy Brazing, Tempering, Welding, etc. Fitted Improved Type Carbon Adjustable Burner and Heavy Cast Iron Tray. Specially Supported, Galvanized Tank, 100 Pound Pressure Gauge Foot Pump. Full Directions for Operation.

Each

✱No. 8—10 Gallon Tank with Pump $58 00
Shipping Weight 300 lbs.
One in a Case

CRANK SWAGES

A Particularly Valuable Tool for the Repair Shop, for Closing in the End of Crank where the Threads are Badly Worn. Works Equally Well on any Style of Crank

Each

No. EC5—Weight Each 2 lbs. $0 90
Loose

TRUING STANDS

DUDLEY

Brass ... Adjustable ... Three Arms ... Inches ... Each ... Loose

No. 50 D Weight Each 20 oz. $3 00
Loose

HIGH PRESSURE BRAZER HEAD

For Brazers Nos. 1 and 2

Each

✱No. 4—Without Burners $3 00
Weight 7½ lbs.

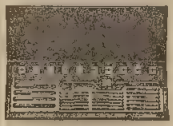
IMPROVED HIGH PRESSURE HYDRO-CARBON BURNERS

For use with Brazers Nos. ½, 1 and 2. Fitted with Ground Joint Adjustable, to any Angle

Per Pair

No. 5 Weight per Pr. 3½ lbs. $11 00
Loose

SCREW PLATES



These Screw Plates will Cut Both Screws and Taps for Pipe ... Inches ... Complete with Four Dies ... Tap Wrench ... Tap Guide ... Oil Cup ... Tap Reamer and Screw Driver

Per Set

No. 2 ... Inch ... Threads ... $ 8 00
No. 3 ... Inch ... Threads ... 10 00
No. 4 ... Inch ... Threads ... 20 00
No. 5 ... Inch ... Threads ... 30 00
No. 6 ... Inch ... Threads ... 24 00
No. 7 ... Inch ... Threads ... 32 00
No. 8 ... Inch ... Threads ... 40 00

TIRE TESTING TANKS

Can be used in testing Auto Inner Tubes, Bicycle and Motorcycle Inner Tubes and Tires very Handy thing on Rare Armed Garage or Shop

Each

No. 1 20 inches ... Wide ... Inches ... Deep ... Inches ... Long ... Weight ... Lbs. ... Capacity ... Gallons ... Shipping Weight ... Lbs. ... $4 50

No. 2 ... Inches ... Wide ... Inches ... Deep ... Inches ... Long ... Weight ... Lbs. ... Capacity ... Gallons ... Shipping Weight ... Lbs. ... $5 50

Crated for Export ... Extra

METAL POLISH

✱NORLEIGH DIAMOND CREAM

This is a perfect Non-Settling Kerosene Polish. Requires no Shaking and as a Result is always ready for use. It gives a Quick Brilliant Luster which has been so hard to produce. Recommended for Automobiles, Brass and Copper Signs, Soda Fountains and Bar Room Fixtures, Nickel Plating, Gas, Silver, Copper and Brass.

Per Dozen

No. ND25—½ Pint Screw Top Cans; 3 Dozen in a Carton. Weight per Dozen 3¾ lbs.; Weight per Carton 12½ lbs. $1.50

No. ND100—1 Pint Screw Top Cans; 3 Dozen in a Carton; Weight per Dozen 12 lbs. Weight per Carton 41½ lbs. 4.00

No. ND200—1 Quart Screw Top Cans; 2 Dozen in a Carton. Weight per Dozen 24 lbs. Weight per Carton 62 lbs. 7.00

No. ND500—1 Gallon Square Varnish Cans; ½ Dozen in a Carton. Weight per Carton 49½ lbs. 25.00

NORLEIGH DIAMOND PASTE

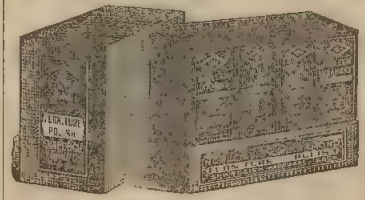
Unexcelled for polishing all metals, especially Gold, Silver, Nickel Plate, Brass and Copper; Recommended for the Home, Factory, Office or Garage; Gives a Quick, Brilliant Luster.

Per Dozen

No. NPL—11-Ounce Cans; Weight, per Dozen 8½ lbs. $4.00

One Dozen in a Display Box

FURNITURE AND AUTO FINISH



✱NORLEIGH DIAMOND

For Cleaning and Polishing Furniture, Woodwork, Floors, Automobiles, Carriages, Pianos, etc. Has no Equal for Renovating Leather Covered Furniture and Upholstering of all kinds. Particularly Adapted to the Needs of Automobile

Per Dozen

No. NF25—8-ounce Bottles, Weight per Dozen 11½ lbs. $4 00

Twelfth Dozen Bottles in a Carton, One Dozen Cartons in a Handsome Display Box

Per Dozen

No. NF0—Quart Bottles, Weight per Dozen 24 lbs. $11 10

½ Dozen to a Case

MACHINISTS HAND SOAP

✱NORLEIGH DIAMOND

Norleigh Diamond Machinists Soap is a Rich Creamy Paste, which produces a Fine Lather through Friction when Rubbing the Hands. It quickly removes Paint, Stains, Ink, Grease and Grime and leaves the Skin Soft, Pliable and as Smooth as Velvet.

It is Antiseptic and is nicely perfumed, leaving a Faint and Pleasing Odor of the Fragrant Sassafras.

... Soap ... Grease ... Paint ... Oil ... Tar ... Varnish ... Pitch ... Cement ... Glue ... Shellac ... Resin ... Ink ... Stains ... Grease ... Grime ... Dirt ... Stain or Grease quickly and softens the skin, making it more Pliable and less ... Cracking.

Per Dozen

No. ND36—¾ lb. Cans, Size 3¾x2¼ inches. Weight per Dozen 10 lbs. $1.80

Three Dozen in a Case

Items Marked ✱ Not Carried in Stock. Can Only be Shipped Direct from Factory, Toledo, Ohio.

WRENCHES ON DISPLAY SALES-BOARDS

BILLINGS & SPENCER.

These Boards are designed to carry a stock of Wrenches of the styles and sizes most in demand and to give the largest variety of openings with the fewest duplications.

The dealer is entitled to one of these boards free on condition that he purchase the wrenches complete as per list and in lots of six each of a size.

A printed card carrying full information is furnished with each board.

All Wrenches are milled slightly larger than listed in tables to allow for proper clearance and variations.

Number of Wrench is always stamped on the handle of Wrench.

The heads of Wrenches are stamped to show purpose for which the wrench can be used.

"Finished" Wrenches have milled openings, are polished all over, and are hardened and treated with a special black finish.

No. 2 DISPLAY SALES-BOARD, 48¼ in. Long, 10⅞ in. Wide.

This Board is arranged for the Hardware Dealer; the Wrenches being Milled with Openings for U. S. S. Nuts, Hexagon and Square Cap Screws and Set Screws

ENGINEERS' WRENCHES.

15 Degree Angle Double Head.

Nos.	Sq. Head Set Screw, Inches	Hex. Head Cap Screw, Inches	Milled Openings, Inches	Length, Inches	Finished Each
1100A	¼ & ⅜	.....	¼ & ⅜	3½	$0 23
1104	⅜ & ½	⅜ & ½	⅜ & ½	4½	32

Nos.	Bolt Sizes, Inches	Milled Openings, Inches	Length, Inches	Finished, Each
1107	¼ & ⅜	⅜ & ½	4½	$0 32
1118	⅜ & ½	½ & ⅝	6	46
1123	⅜ & ½	½ & ⅝	8	68
1136	½ & ⅝	⅝ & 1 1/16	10	1 08

Nos.	Hex. Head Cap Screw, Inches	Milled Openings, Inches	Length, Inches	Finished, Each
1109	¼ & ⅜	⅜ & ½	5	$0 38
1111	⅜ & ⅜	⅜ & ½	5	38
1116	⅜ & ½	½ & ⅝	6	46
1125	½ & ½	⅝ & ⅝	8	68
1133	½ & ⅝	⅝ & 1	9	.85

TEXTILE WRENCHES.

22½ Degree Angle, Double Head.

Nos.	Bolt Sizes, Inches	Milled Openings, Inches	Length, Inches	Finished, Each
1555	⅜ & ⅜	½ & ⅝	4⅝	$0 38
1564	⅜ & ⅜	½ & ½	5¾	.46
1571	⅜ & ½	½ & ⅝	8⅛	78
1578	½ & ⅝	⅝ & 1 1/16	9½	1 05
1581	⅝ & ⅞	1 1/16 & 1 1/16	11	1.40

LIGHT SERVICE WRENCHES.

Nos	Sq. Head Set Screw, Inches	Hex. Head Cap Screw, Inches	Milled Openings, Inches	Length, Inches	Finished, Each
2000	⅜ & ⅜	⅜ & ⅜	⅜ & ½	6¼	$0 38
2007	.....	⅜ & ⅜	⅜ & ½	7⅛	.47
2017	.....	7/64	⅝ & ½	8⅛	.58
2025	.....	½ & ⅜	¾ & ½	9⅛	.72
2033	.....	⅝	⅞ & ½	10⅜	.90

No. 3 DISPLAY SALES-BOARD, 6 ft. 8 in. Long, 10⅞ in. Wide.

This Board is arranged for Auto Supply Dealers and Garages, having S. A. E. and A. L. A. M. Standard Openings.

ENGINEERS' WRENCHES.

15 Degree Angle Double Head.

Nos.	A. L. A. M. Std. Nuts and Cap Screws, Bolt or Screw, Inches	Milled Openings, Inches	Length, Inches	Finished, Each
1105	¼ & ⅜	⅜ & ½	4½	$0 32
1118 Sp.	⅜ & ½	½ & ⅝	6	.46
1126	½ & ½	⅝ & ⅝	8	.68
1132 Sp.	⅝ & ¾	¾ & 1	9	.85
1140 Sp.	¾ & ⅞	1⅛ & 1¼	11½	1.40

"CHECK NUT" OR "THIN" WRENCHES.

15 Degree Double Angle Head.

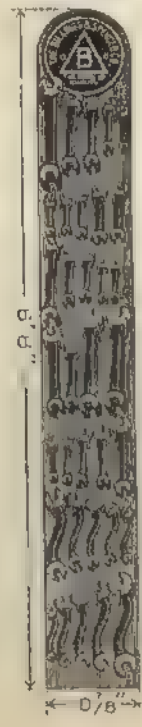
Nos.	Diam. of Screw, Inches	Milled Openings, Inches	Length, Inches	Finished, Each
1350	¼ & ⅜	⅜ & ½	4½	$0 38
1352	⅜ & ½	½ & ⅝	4½	.38
1354	½ & ⅝	⅝ & ¾	5½	.48
1356	⅝ & ¾	¾ & ⅞	7	.60
1358	¾ & ⅞	⅞ & 1	7	.60

ENGINEERS' WRENCHES.

15 Degree Angle Double Head.

Nos.	Size Bolts for U. S. Std. Nuts, Inches	Milled Openings, Inches	Length, Inches	Finished, Each
1101	⅛ & 3/13	¼ & ⅜	4	$0 28
1107	¼ & ¼	⅜ & ½	4½	.32
1112	¼ & ⅜	⅜ & ½	5	.36
1118	⅜ & ⅜	½ & ⅝	6	.46
1123	⅜ & ½	½ & ⅝	6¾	.58
1128	½ & ½	⅝ & ⅝	8	.68
1134	½ & ⅝	⅝ & 1 1/16	10	1.08
1140	⅝ & ¾	1 1/16 & 1⅛	11½	1.40

Nos	For Hex. Head Cap Screws and U. S. Nuts for Same	Milled Openings, Inches	Length, Inches	Finished, Each
1109	¼	¼ & ⅜	5	$0 38
1112	¼	⅜ & ½	5	38
1118 Sp.	⅜	⅜ & ½	6	.46
1120 Sp.	⅜	⅜ & ½	6¾	58
1126	½	½ & ⅝	8	68
1134	½	⅝ & 1 1/16	10	1 08
1139	¾	1 & 1⅛	11½	1 40

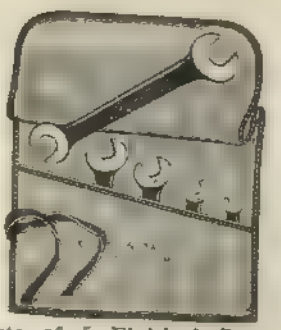


WRENCH SETS

"Check Nut" or "Thin" Wrenches for A. L. A. M. Standard Nuts and Cap Screws.

THE BILLINGS & SPENCER CO.

A. L. A. M. Standard.



Per Set

No. 14 Set—Consists of 5 Finished Drop Forged Double Head Wrenches, 1 Each Nos. 1350W to 1362W as Described Below, Put Up in a Neat Canvas Roll $3.86

Description of Wrenches Contained in No. 14 Set.

Nos.	A. L. A. M. Std. Nuts & Cap Screws, Hd. or Screw, Inches	Milled Openings Inches	Length Inches	Thickness of Heads, Inches	Finished, Each
1350W	¼, 7/16	3/8, 1/2	4½	3/32	$0 38
1353W	5/16, 1/2	1/2, 11/16	5½	1/8	.48
1356W	1/2, 3/4	3/4, 7/8	7	3/32	.60
1359W	7/8, 1/2	15/16, 1	8½	1/4	.80
1362W	3/4, 7/8	1 1/16, 1 1/4	10½	5/32	1.15

Per Set

No. 8 Set—Consists of 5 Finished Drop Forged Double Head Wrenches, 1 Each Nos. 1105 to 1140Sp. as Described Below, Put Up in a Neat Canvas Roll $4.16

Description of Wrenches Contained in No. 8 Set.

Nos	A. L. A. M. Std Bolt or Screw, Inches	Milled Openings Inches	Length Inches	Thickness of Heads Inches	Finished, Each
1105	1/4, 5/16	3/8, 1/2	4½	1/8	$0 32
1118Sp.	5/16, 7/16	7/16, 11/16	6	5/32	.44
1126	1/2, 5/8	3/4, 7/8	8	3/16	.64
1132Sp.	5/8, 11/16	15/16, 1	9	7/32	.85
1140Sp.	3/4, 7/8	1 1/16, 1 1/4	11½	1/4	1.40

15 Degree Double Head Engineers' Wrenches.

Per Set

No. 5 Set—Consists of 7 Finished Drop Forged Double Head Wrenches, 1 Each Nos. 1109 to 1139 as Described Below, Put Up in a Neat Canvas Roll $5.64

Description of Wrenches Contained in No. 5 Set.

Nos.	For Hex-Head Cap Screws & U. S. S. Nuts, Inches	Milled Openings Inches	Length Inches	Thickness of Heads, Inches	Finished, Each
1109	1/4	7/16, 1/2	5	1/16	$0.38
1112	5/16	1/2, 9/16	5	1/8	.38
1118Sp.	3/8	7/16, 11/16	6	3/32	.46
1120Sp.	7/16	5/8, 25/32	6¾	5/32	.56
1126	1/2	3/4, 7/8	8	7/32	.68
1134	5/8	7/8, 1 1/16	10	1/4	1.08
1139	3/4	1, 1 1/4	11½	5/16	1.46

For Hexagon Head Cap Screws and Nuts for Same.

Per Set

No. 44 Set—Consists of 8 Finished Drop Forged Double Head Wrenches, 1 Each Nos. 1557 to 1580 as Described Below, Put Up in a Neat Canvas Roll $6.45

Description of Wrenches Contained in No. 44 Set.

Nos.	Screw In.	Milled Openings Inches	Length Inches	Thickness of Heads In Inches	Finished Each
1557Cap	1/4, 7/16	7/16, 1/2	4¾	1/4	$0 38
1562Cap	3/8, 7/16	7/16, 5/8	5¾	5/16	46
1568Cap	1/2, 7/16	3/4, 13/16	7	3/8	60
1575Cap	5/8, 3/4	7/8, 1	9½	1/2	1 05
1559Nut	1/4, 7/16	1/2, 9/16	5¾	1/4	46
1566Nut	3/8, 7/16	11/16, 25/32	7	1/4	.60
1574Nut	1/2, 7/16	7/8, 31/32	8¼	3/8	.78
1580Nut	5/8, 3/4	1 1/16, 1 1/4	11	1/2	1 40

TOOL KITS

B. & S.

Per Kit

No. 11 Kit Made Up of Billings & Spencer Drop Forged Tools Exclusively, and Consists of Tools as Described Below, Put Up in a Good Quality Canvas Roll $4 90

Description of Tools Contained in No. 11 Kit.

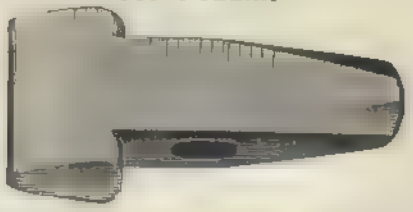
1—9 in. "All Steel" Screw Driver.
1—8 Oz Ball Pein Hammer.
1—No. 4 Set of 5 Semi-Finished Light Service Wrenches.
1—Double Opening Socket Wrench, Openings ½ and 5/8 in.
1—Semi-Finished Spark Plug Wrench, Openings 7/8 and 7/8 in.
1—6 in. Semi-Finished Auto Wrench.
1—6 in. Black Finished Kit Pliers.
1—Offset Screw Driver.
1—3/8 in. Cold Chisel.
1—3/8 in Punch.
1—Cotter Pin Tool
1—Wrench for Prest-o-Lite Tank, 7/8 in. Opening.

BLACKSMITHS' ANVIL TOOLS

TOP SWAGE

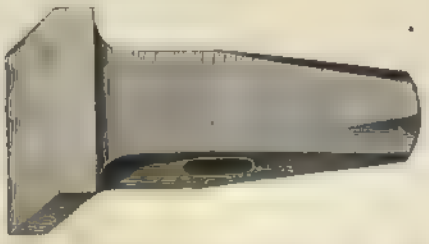
Size, inches	¼	⅜	⅜	½	⅝
Weight each, about pounds	2	2	2	2¼	2½
Size, inches	¼	⅜	1	1¼	1½
Weight each, about, pounds	2¼	2⅝	3	3¼	3⅜
Per pound					$0.40

TOP FULLER



Size, inches	¼	⅜	⅜	½	⅝
Weight each, pounds	2	2	2	2½	2¾
Size, inches	¼	⅜	1	1¼	1½
Weight each, pounds	3½	2⅝	3	3½	4½
Per pound					$0.40

FLATTER



Size inches	2	2¼	2½	2¾
Weight each pounds	2½	2½	5	5¼
Size, inches	3	3½	4	
Weight each, pounds	5½	5¾	6⅝	
Per pound				$0.40

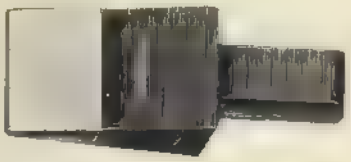
BOTTOM SWAGE

Size, inches	¼	⅜	⅜	½	⅝
Weight each, pounds	1½	1⅝	1¾	2	2
Size, inches	¼	⅜	1	1¼	1½
Weight each, pounds	2¼	2½	2½	3	3½
Per pound					$0.40

BOTTOM FULLER

Size, inches	¼	⅜	⅜	½	⅝
Weight each, pounds	1¾	1¾	2	2¼	2¼
Size, inches	¼	⅜	1	1¼	1½
Weight each, pounds	2¾	3	3	3½	4
Per pound					$0.40

HARDIE

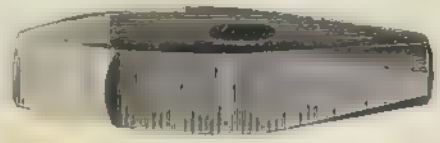


Size shank, inches	½	¾	⅞	1	1⅛
Width bit, inches	1⅜	2	2	2⅛	2⅛
Weight each pounds	½	1⅛	1½	1¾	2
Per pound					$0.40

SET HAMMER

Face inches	1	1¼	1½	1¾
Weight each pounds	1¼	2	3	4
Per pound				$0.40

COLD CHISEL



Width inches	1	1⅛	1¼	1⅜	1½
Weight each, pounds	1¼	1½	2	2½	3
Per pound					$0.40

HOT CHISEL

Width, inches	1	1⅛	1¼	1⅜	1½	1¾
Weight each, pounds	1¼	1½	2	2½	2¾	3½
Per pound						$0.40

SQUARE PUNCH

Size point, inches	⅜	½	⅝	
Weight each, pounds	1	2	3	
Per pound				$0.40

ROUND PUNCH

Size point, inches	⅜	½	⅝	¾
Weight each pounds	1½	2	2	2½
Per pound				$0.40

CREASING TOOL

Size bit, inches	⅞	1
Weight per dozen pounds	9	9
Per dozen	$4.00	5.00

*MANDRELS

Plain

Size	Height Inches	Diam Base Inches	Diam Top Inches	Weight Pounds	Per Pound
*1	32	8	1	55	$....
*1½	40	10	1	90	....
*2	48	12	1	115	....
*3	52	14	1	140	....
*4	54	16	2	200	....

Cheney's Patent

Size	Height Inches	Diam Base Inches	Diam Top Inches	Weight Pounds	Per Pound
*1	32	8	1	60	$
*1½	40	10	1	100	..
*2	48	12	1	125	..
*3	52	14	1	150	..
*4	54	16	2	220	..

*Not carried in stock; can be shipped promptly from factory

BLACKSMITHS' TONGS

STRAIGHT LIP

Length, inches	16	18	20	22	24
Weight each, pounds	1½	2	2½	3	3½
Per dozen	$				

GAD TONGS

Length 22 inches, weight about 3 pounds each, per dozen $

BOLT TONGS

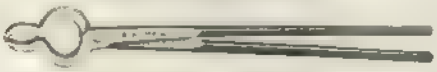
Length, inches	20	22	24
Jaws round [illegible] inches	⅞, 1	⅞, ¾	⅞, 1, 1⅛, 1¼
Weight each, pounds	2⅞	3⅛	3⅜ to 4
Per dozen	$		

PICK TONGS

ength 24 inches, weight about 4 pounds each, per dozen...$....

Used principally for holding miners' picks while sharpening.

PICKUP TONGS



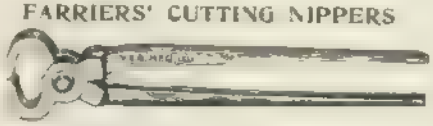
Length 22 inches, weight about 2½ pounds each, per dozen, $....

FARRIERS' TOOLS

HORSESHOE TONGS

Length 12 inches, weight about 1½ pounds, per dozen. $

FARRIERS' CUTTING NIPPERS



Nos.	20	22
Weight per dozen, pounds	26	28½
Length, inches	12	14
Cast steel, full polished, per dozen	$15 00	16 00

FARRIERS' PINCERS

Length, inches	10	12	14
Weight per dozen, pounds	17	21	24
Polished steel jaws, per dozen	$9.00	10.00	12.00

FARRIERS' HOOF PARERS

No. 212 Length 12 inches, cast steel jaws, full polished, weight per dozen about 23 pounds, per dozen . $24 00

BOLT CLIPPERS

Easy

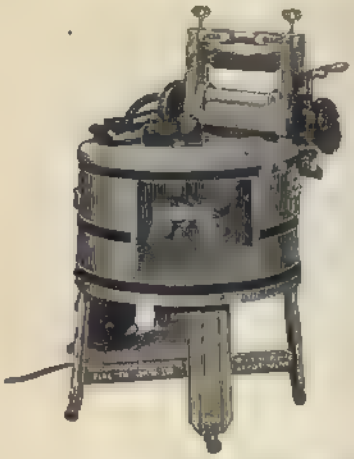
No. 1 Length 24 inches, cuts ⅝ inch bolts, weight 4½ pounds.....each, $5.00
No. 2 Length 30 inches, cuts ½ inch bolts, weight 7⅛ pounds.....each, 7.00

CUTTER HEADS AND PARTS

	Each No. 1	Each No. 2
Cutter Head, complete with two steel rivets	$2 85	$3 05
Pair Cutting Jaws, tempered ready for use	1.65	2.35
One Cutting Jaw, tempered ready for use	.83	1 18
One Bottom Strap, with two steel bolts, ready for use	.50	.60
One Top Strap, holes reamed, ready for use	.20	.30
Pair Toothed Lock Nuts, tapped and [illegible]	.15	.20
Toothed Wrench for Lock Nuts [illegible]	.15	.20
Lock Plate for Nuts ready for use	.15	.20
Pair of Equalizing Gears	.10	.15
Bolts for Equalizing Gears	.10	.15

WASHING MACHINES

IMPROVED BLACKSTONE ELECTRIC



Complete with Five Year Warranted Wringer, Best Full Enclosed Type Motor and Lamp Cord with Plug to Fit any Lamp Socket.

Note—When ordering, always state if to be used with Alternating or Direct Current; if Alternating current, give number of cycles and phase.

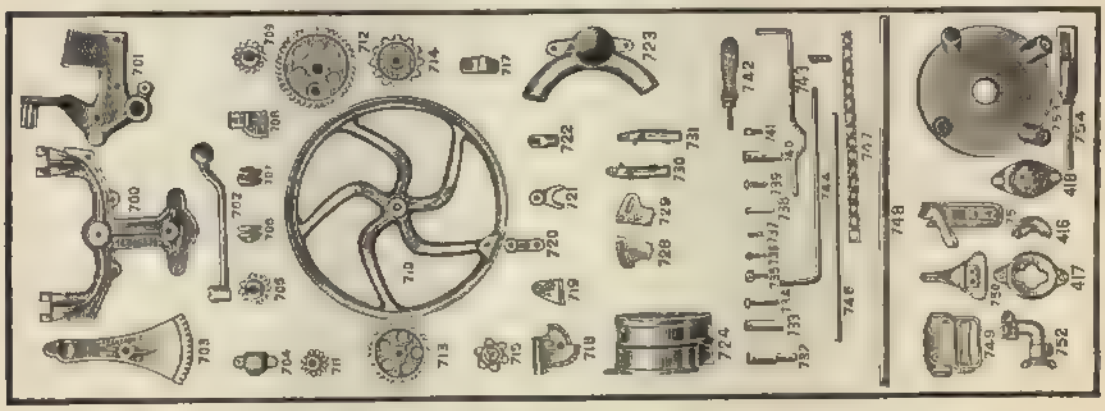
Each

Blackstone Electric—Extra Large Best Clear Red Cypress Tub, Corrugated Inside Sides and Bottom, Heavy Steel Hoops, Bolted Hardwood Legs Braced and Reinforced by Steel Rods, Two-Ply Overlapping Lid, Safety Dasher, Covered Gearing, Cut Gears, Natural Finished Woodwork, Nicely Enameled Castings, Complete with 5 Year Warranted Wringer, Motor and Lamp Cord with Plug.....$.....

Washes and wrings at the same time or separately by electricity. The cost of operating is less than two cents an hour. The cover can be raised or lowered without turning off the power. The most efficient electric washing machine on the market.

Weight Each Crated 200 Pounds.

EXTRA PARTS FOR IMPROVED BLACKSTONE ELECTRIC WASHING MACHINES



	Each
No. 700—Stand	$1 75
No. 701—Side Bracket	1 50
No. 702—Pitman	1.25
No. 703—Swing Casting	1 25
No. 704—Cap for Ball Joint	25
No. 705—Clutch Gear Wheel with Large Bearing	35
No. 706—Single Clutch	35
No. 707—Double Clutch	50
No. 708—Tub Part of Hinge	25
No. 709—Clutch Gear Wheel for Wringer	45
No. 710—Not Now Used on Electric	
No. 711—Post Gear Wheels	30
No. 712—Large Gear Wheel for Washer	50
No. 713—Medium Gear Wheel for Wringer	40
No. 714—Large Sprocket Wheel for Wringer	50
No. 715—Small Sprocket Wheel for Wringer	40
No. 717—Small Bottom Box for Countershaft	.10
No. 718—Top Bracket for Shifting Handle	20
No. 719—Bottom Bracket for Shifting Handle	20
No. 720—Casting for Shifting Bar	15
No. 721—Casting for Shifting Bar	.15
No. 722—Casting for Shifting Bar	15
No. 723—Gear Cover	.50
No. 724—Gear Cover for Wringer	60
No. 725—Large Fly Wheel (not Illustrated)	
No. 726—Large Gear Wheel (not Illustrated)	
No. 728—Hinge for Drip Board	20
No. 729—Hinge for Drip Board	20
No. 730—Hinge for Drip Board	20
No. 731—Hinge for Drip Board	20

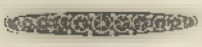
	Each
No. 732—Pin for 700 Stand	$0.05
No. 733—Pin for 701 Bracket	.05
No. 734—Spring Cotter for Pin on 701	02
No. 735—Machine Screw for 703 and 704	05
No. 736—Spring Cotter for 743 and 744	02
No. 737—Key for 706	.02
No. 738—Key for 707	.02
No. 739—Pin for 711	02
No. 740—Pin for 712	02
No. 741—Spring Cotter for 733	02
No. 742—Handle and Bolt for Pulley	10
No. 743—Rod for Reversing Wringer	.40
No. 744—Rod for Reversing Washer	.40
No. 745—Spring for 743 and 744 (not Numbered on Cut)	05
No. 746—Rod Connecting 720 and 721	.40
No. 747—Chain	.40
No. 748—½ in. Shaft	.40
No. 749—Side Handle for Tub	25
No. 750—Cover Part of Lid Fastener	.10
No. 751—Tub Part of Lid Fastener	.20
No. 752—Spout	50
No. 753—Dasher	.35
No. 754—Post	.25
No. 416—Small Casting for Dasher	05
No. 417—Large Casting for Dasher	.10
No. 418—Cup for Dasher	.10
No. 756—Lower Drip Board that is Connected to Lower Upright on Wringer	30
No. 760—Gear Cover (not Illustrated)	
No. 761—Gear Cover (not Illustrated)	

FINE BOHEMIAN GARNET JEWELRY

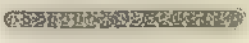
Lace Pins, Brooches, Ear Screws, Bracelets, Pendant Crosses and Hair Pins
In solid gold settings, diamond cut garnets

PRICES EACH

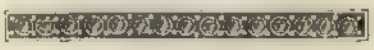
HAIR PIN
No. 6745 Fine tortois
tines $6.25



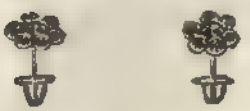
Cuff Pins
No. 6746 ..... Per pair $4.50



Bar or Veil Pin
No. 6747 ..... each $3.25



Bar or Veil Pin
No. 6748 ..... each $6.25

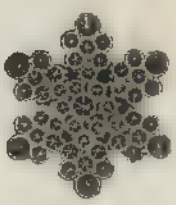


SCREW DROPS
No. 6749 ..... Per pair $2.25

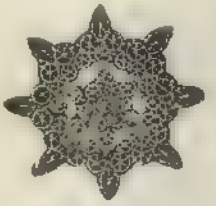
SCREW DROPS
No. 6750 .....Per pair $2.25

SCREW DROPS
No. 6751 ..... Per pair $2.25

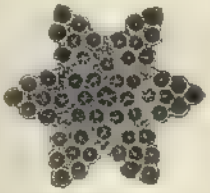
EAR DROPS
No. 6752 .....Per pair $2.25



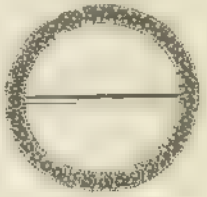
BROOCH PIN
No. 6753 ..... each $2.75



BROOCH PIN
No. 6754 .....each $3.00

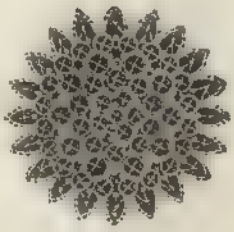


BROOCH PIN
No. 6755 ..... each $4.00

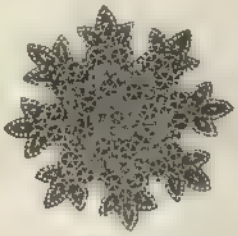


BROOCH PIN
No. 6756 .....each $6.25

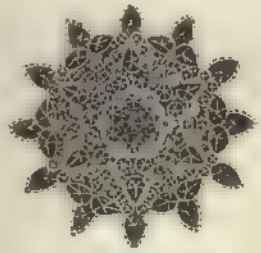
BROOCH PIN
Crescent and Star
No. 6757 ..... each $6.25



BROOCH PIN
No. 6758 ..... each $6.25

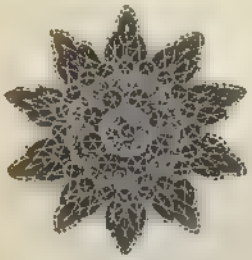


BROOCH PIN
No. 6759 .....each $7.25

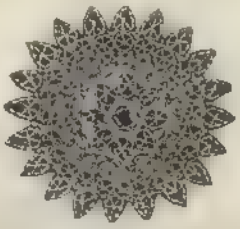


BROOCH PIN
No. 6760 ..... each $8.25

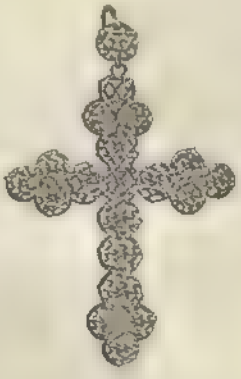
PENDANT
No. 6761 .....each $10.00



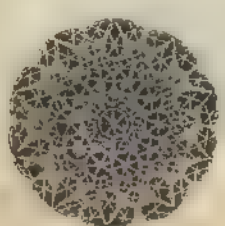
BROOCH PIN
No. 6762 .....each $8.25



BROOCH PIN
No. 6763 .....each $8.25



CROSS
No. 6764 .....each $13.50



BROOCH PIN
No. 6765 .....each $13.25

BROOCH PIN
No. 6766 .....each $15.25

Note the two (2) Garnet Necklaces we illustrate and quote on the following page.

BRACELET
Garnet set completely around, with joint and catch
No. 6767 .....$12.25

BRACELET
Garnet set completely around, with joint and catch
No. 6768 .....$26.50

SOLID GOLD COLLAR BUTTONS

PRICES EACH

Krementz one piece, polished
No. 6697 $2.00

Krementz one piece polished
No. 6698 ..$2.00

Polished, stationary post
No. 6699 ..$2.00

Krementz one piece polished.
No. 6700 ..$2.00

Polished stationary post
No. 6701 ..$1.75

Polished, stationary post.
No. 6702 ..$1.50

Polished, lever top
No. 6703 ..$2.00

Polished lever top
No. 6704 ..$3.00

The Krementz 14K Rolled Gold Plated Collar Buttons

They are made starting with a flat piece of metal, making a Collar Button without joint or solder. It cannot break. If from any cause one should get damaged, either in the hands of the dealer or customer, a new button will be given in exchange. **Prices Per Dozen.**

Dozen
No. 6705 ..$3.25

Dozen
No. 6706 ..$3.00

Dozen
No. 6707 ..$3.50

Dozen
No. 6708 ..$5.00

Dozen
No. 6709 ..$5.00

Dozen
No. 6710 ..$3.00

Dozen
No. 6711 ..$2.25

Dozen
No. 6712 ..$3.00

Dozen
No. 6713 ..$5.00

Dozen
No. 6714 ..$3.25

Dozen
No. 6715 ..$2.25

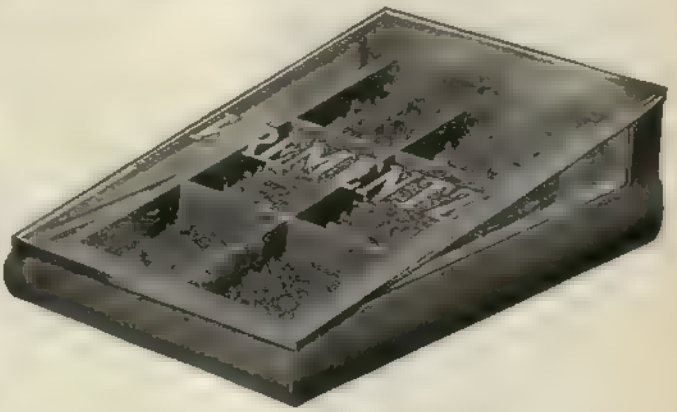
Lever top. Dozen
No. 6716 ..$3.75

Lever top. Dozen
No. 6717 ..$1.50

Lever top. Dozen
No. 6718 ..$3.25

Lever top. Dozen
No. 6719 ..$3.75

Lever top. Dozen
No. 6720 ..$2.25



THIS MAGNIFICENT CASE FREE

Solid mahogany or golden oak and heavy plate glass, size 9 x 6 x 3½ inches free to dealers with an order for **SIX DOZEN** Krementz Collar Buttons through us. **ALSO** 200 booklets, **"Story of a Collar Button,"** with dealers imprint. Specify finish and send your order for case No. 7K to us.

(Time required to make shipment 10 days.)

The Celebrated "Park Roger" 14K Gold Plated Stiffened Collar Buttons. Positively One Piece

Quality Guaranteed. Prices Per Dozen

Stationary Post Dozen
No. 6721 $3.00

Stationary Post Dozen
No. 6722 $3.00

Stationary Post Dozen
No. 6723 $4.50

Stationary Post Dozen
No. 6724 $3.25

Stationary Post Dozen
No. 6725 $4.50

Stationary Post Dozen
No. 6726 . $3.25

Stationary Post Dozen
No. 6727 $3.00

Stationary Post Dozen
No. 6728 . $3.25

The Popular "Uno" 14K Gold Plated Collar Buttons. Absolutely One Piece

Quality Guaranteed. Prices Per Dozen

Stationary Post Dozen.
No. 6729 ..$1.75

Stationary Post Dozen.
No. 6730 ..$1.75

Stationary Post Dozen.
No. 6731 . $1.75

Stationary Post Dozen
No. 6732 . $1.75

Stationary Post Dozen
No. 6733 . $1.75

Stationary Post Dozen
No. 6734 ..$1.75

Stationary Post Dozen
No. 6735 $1.75

Stationary Post Dozen
No. 6736 . $1.75

Fine Rolled Gold Plated Lever, Pearl and Separable Collar Buttons

Lever top. Dozen
No. 6737 $1.50

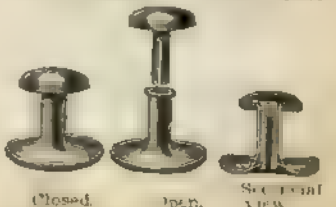
Lever top. Dozen.
No. 6738 $1.50

Lever top. Pearl back Dozen.
No. 6739 $2.25

Lever top Dozen
No. 6740 .$1.50

Lever top Dozen
No. 6741 $2.25

Fine all pearl Dozen
No. 6742 $3.2


Closed. Improved Button
Open. Separable
Second view. collar

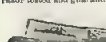
No. 6743 Gold . . . .Each $2.50
No. 6744 Rolled plate . . . Each 3.50
Per doz . . . .

RAZORS

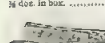
Best selling brand at a saving. Why pay more when these standard makes can be had at such fair prices! We sell razors on a merchandise basis. Compare Catalogue

WADE & BUTCHER RAZORS.

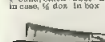
Quality needs no comment. Each razor tested and guaranteed perfect.



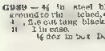
G987 ⅞ in. steel blades, polished, black rubber handle. Each in case, ½ doz. in box. ..... DOZ. $3.95



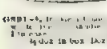
G988 — ⅞ in. steel blade, hollow ground, black rubber handle. Each in case, ½ doz. in box .DOZ. $5.15



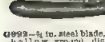
G989 — ⅞ in. steel blade, hollow ground to the [illegible] edge, double stamped, fine cut tang, black rubber handle. 7/8 in case. 85c
½ doz in box Doz $9.60



G9891-⅞ in. [illegible] polished [illegible] edge, double stamped, fine cut tang, black rubber handle. 7/8 in case. $1.10
½ doz in box Doz $11.00



G992—⅞ in. steel blade, full concave hollow ground, diamond polished, double stamped, corrugated tang, black rubber handle. 7/8 in case. $1.25
½ doz. in box, Doz. $12.50



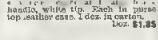
G994—⅞ in steel blade, square point, arched tang, double file cut, extra quality black rubber handle in plush lined case. $1.75
½ doz in box Doz $17.50

WADE & BUTCHER RAZOR ASSORTMENT.

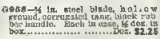
G995—Asst. [illegible] 12 hollow point, [illegible] white, clear and tortoise shell handles. Displayed in full lined case, 6 loose. 1 doz in pkg. Doz. $8.25

LOW PRICED RAZORS.

G1565 — "Horizon" ⅞ in [illegible] blade, square point, hollow ground [illegible] handle, white tip. Each in purse top leather case. 1 doz. in carton. ... ... Doz. $1.85



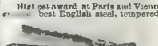
G988—⅞ in. steel blade, hollow ground, corrugated tang, black rubber handle. Each in case, ½ doz. in box. ... ... Doz. $2.25



G959 ⅞ in. steel blade, hollow ground, polished tang, colored celluloid [illegible] handle. 7/8 in case, ½ doz. in box... Doz $4.25

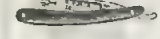
KARL ENGEL & SONS "KRONPRINZ" RAZOR.

Highest award at Paris and Vienna International Exhibitions. Hamburg best English steel, tempered and set by experts.

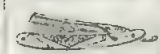


G953 — ⅞ in., oval black hollow ground, file cut tang, full grooved, maroon celluloid handle. 7/8 in case. ... ... Each, 92c
½ doz. cts. Doz. $10.00

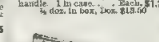
BOKER'S "TREE" BRAND RAZORS.



G963—⅞ in. steel blade, [illegible] hollow ground, polished smooth tang, black rubber hand [illegible] 75c



G964 ⅞ in. steel blade, corrugated around file cut tang, celluloid handle. 7/8 in case. ... ... Each, $1.25
½ doz. in box, Doz. $13.50

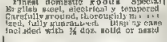


G965—⅞ in. best English steel blade [illegible] hollow ground, [illegible] corrugated double file cut tang, polished black rubber handle, ivory division. 7/8 in case. ... Each $1.65

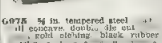
W. H. MORLEY'S RAZOR ASST.

G995—6 styles, ⅞ in. imported steel blade, hollow ground, honed and set, square points, file tang, celluloid handles, guaranteed. In silk [illegible] $5.00

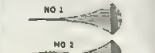
"NEVER DULL" AMERICAN RAZORS.



Finest domestic goods. Special ½ plate steel, scientifically tempered. Carefully ground, thoroughly honed and fully guaranteed. Ebony or cocobolo handles with ⅛ dos. solid or nickel [illegible]



G975 ⅞ in. tempered steel [illegible] all concave, double file cut [illegible] solid stag, black rubber [illegible] a reflective case. ... Each $1.50
½ doz. in pkg. Doz. $16.50

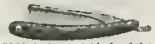


G976 ... in tempered steel ... hollow ground ... [illegible] ... [illegible] ... style of grinding makes this line of razors unconditionally guaranteed. 1 in lettered leather case. ... Each, **$2.00**
½ doz in pkg Doz $21.00

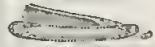
G977 [illegible] ... ⅞ in. square point, tempered steel blade, each ⅞ in case, arched tang, extra hollow ground, double stamped, gold and black rubber handle, easy grip. Each in [illegible] case top display box. 6 in case. Assrt. of 6. $7.25

J. R. TORREY RAZOR CO'S ENGLISH STEEL RAZORS.

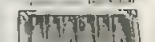
Fully guaranteed.



G968—⅞ in. steel blade, hollow ground, full concaved, etched file cut tang, black rubber handle, [illegible] ... ... Each $1.50
... ... Doz $16.50

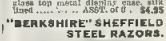


G969 ... $1.90



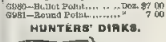
G9210—Asst. 6 styles, ⅞ and ⅞ in. steel blades, round, half round and square points, hollow ground, concaved tang, celluloid handles, [illegible] glass top metal display case, silk lined ... ... Assrt. of 6 .. $4.95

"BERKSHIRE" SHEFFIELD STEEL RAZORS.

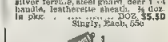


⅞ in. steel blade, concave hollow ground, polished, gold plated double shoulder, triple line scored file cut concave tang, flat back beveled handle white inserts. Each in purse top leath[illegible] case. ½ doz. in pkg.
G980—Bullet Point. ... ... Doz. $7 00
G981—Round Point. 7 00

HUNTERS' DIRKS.



G190—6 in bevel blade, german silver ferrule, steel guard, deer [illegible] handle, leatherette sheath. ½ doz. in pkg ... ... Doz. $5.50
Single, Each, 60c



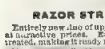
G191—6 in. bowie shape ... blade, English steel, german silver and star handle, riveted, russet [illegible] sheath, bolt loop. ½ in pkg ... ... Each, 45c

RAZOR STROPS

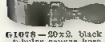
America's best selling line. Better grades of leather and smoother finished faces than found in the slightly priced goods of any other jobber

RAZOR STROPS.

Entirely new line of up-to-date styles at incredibly prices. Each specially treated, making it round, full [illegible]



G1078—20x2, black buff leather tubular canvas hone back, double eye nickel hanger, leather and black enamel wood handles. Assrt. 1 doz. ... ... Doz. $5c



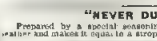
G1079—3x2, brown horsehide, tubular canvas hone back, double eye [illegible] ... ... Doz $1.87

G1081—3x2, combination red per[illegible] horse and black English buffa[illegible] brindle naked hone, heavy padded [illegible] ... ... brown side [illegible] ... ... with in box Doz $3.50

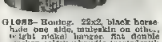
G1082 3x2, original U. S. Cavalry combination genuine black calf skin and red horsehide, extra heavy malleable nickel English swivel military handle. ½ doz. in box Doz. $3.95

"NEVER DULL" STROPS.

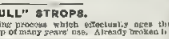
Prepared by a special seasoning process which effectually ages the leather and makes it equal to a strop of many years' use. Already broken in



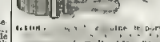
G1085—Hone, 22x2, black horse hide one side, muleskin on other, bright nickel hanger, fits handle leather caliskin handle treated with honing preparation, guaranteed to produce keen [illegible] edge on any [illegible] Takes 1 piece of a [illegible] ½ doz. in box... ... ... Doz. $4.00



G1084 3½x2 select blacked horsehide, pure Bolton Bend, [illegible] Kendall swivel, full fashioned edge [illegible] ½ doz. in box Doz. $4.25

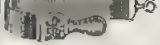


G1086 looped handle, English swivel, attractive gold embossed design on each side. ½ doz. in box. ... ... Doz. $5.25

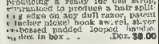


G1066 2½ x 2¾, combination, black [illegible] horsehide and [illegible] finished purple muleskin heavy nickel English swivel, full fashioned double stitched caliskin handle. Very attractive ½ doz. in box. ... ... Doz. $7.00

"NEVER DULL" STROPS Contd.

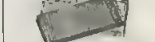


G1087 [illegible] and purple caliskin [illegible] to [illegible] this [illegible] producing a resin for use strop, [illegible] to produce a half split ... edge on any dull razor, patent leather nickel hook swivel, silver embossed padded looped handle ... ... in box ... Doz. $8.00

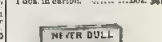


G1088 ... [illegible] silky side and imported genuine Scotch horsehide, treated with the world famous [illegible] preparation, lined with extra heavy **gold plated** [illegible] swivel and russet [illegible] double flat handle, attractive embossing in gold 1 in box ... EACH, **$1.00**

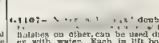
RAZOR HONES.



G1102—"Bos Barber." Black, dark brown velvet face. Each in box 1 doz. in carton. ... ... Doz. 36c



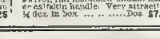
G1107— ... double [illegible] holders on either, can be used dry or with water. Each in fitt box. 1 doz. in carton... ... Doz. 84c



G1105 - Belgian Mounted 2½x1¼, natural rock strain, velvet [illegible] 1 in hardwood box. ... EACH, 89c

DOUBLE GRAIN LEATHER RAZOR STROP.

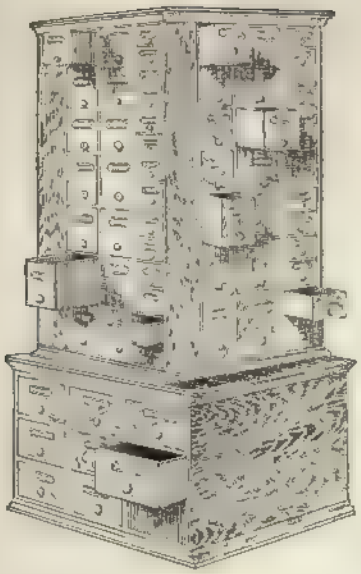
This same strop is being retailed today throughout the country at a 50 center. The biggest value ever offered as the popular price of 25c



G1066 2½ x 8, red horsehide sharpening side, black caliskin on [illegible] nickel hanger, solid leather padded looped handle, black caliskin [illegible] Especially suitable for travelers' use. ½ doz in box Doz **$2.00**

Note carefully our wide selected Razor Strop line. We challenge you to compare.

BOLT AND SCREW CASES



No. 130

Made of selected oak, hard oil finish, drawers are all square no waste at center.

No. 112 Has 112 drawers, 56 for bolts and 56 for screws, 24 inches square, 50 inches high, weight 300 pounds. Each $48 00

No. 130 Same as No. 112, mounted on base 30 inches square and 20 inches high, containing 18 drawers for ⅜ and ¾ inch bolts, weight 480 pounds, each..... 60 00

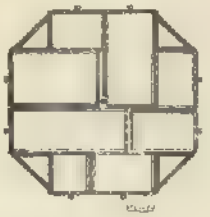
No. 40 Octagonal shape, 40 drawers, height 37 inches, diameter 22 inches, weight 180 pounds, each..... 24 00

No. 112 is Labeled as Follows:

Washers—¼, ⅜, ½, ⅝.
Bolts—¼ x 1, 1¼, 1½, 1¾, 2, 2¼, 2½, 2¾, 3, 3½, 4, 4½, 5.
Bolts—⅜ x 1¼, 1½, 1¾, 2, 2¼, 2½, 2¾, 3, 3½, 4, 4½, 5, 6.
Bolts—½ x 1½, 1¾, 2, 2½, 3, 3½, 4, 4½, 5, 5½, 6, 7, 8.
Bolts—⅝ x 2½, 3, 3½, 4, 4½, 5, 6, 7, 8, 9, 10, 11, 12.
Screws—¾, 3, 4, 5, (in one drawer)
1 —3, 4, 5, 6
1¼—4, 5, 6, 7,
1½—5, 6, 7, 8, 9
1¾—6, 7, 8, 9
2 —7, 8, 9, 10, 11
2¼—8, 9, 10, 11, 12
2½—9, 10, 11, 12, 13, 14
2¾—11, 12, 13, 14
3 —11, 12, 13, 14

This leaves 14 small drawers, with blank labels which can be used for tire bolts or stove bolts, etc.

No. 40



No. 130 is Labeled as Follows:

Washers—⅝, ¾.
Bolts—⅝, 5, 6, 7, 8, 9, 10, 11, 12.
Bolts—¾, 7, 8, 9, 10, 11, 12, 14, 16.

No. 40 is Labeled as Follows:

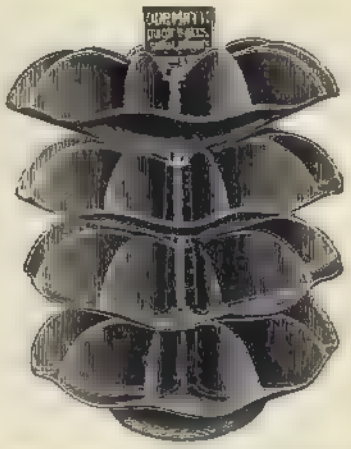
¼ x 1½, 1¾, 2, 2½, 2¾, 3, 3½, 4, 4½, 5.
⅜ x 1½, 1¾, 2, 2½, 3, 3½, 4, 4½, 5, 6.
½ x 2, 2½, 3, 3½, 4, 4½, 5, 6, 7, 8.
⅝ x 3, 3½, 4, 4½, 5, 6, 7, 8, 9, 10.

* ECLIPSE SECTIONAL REVOLVING NAIL BINS

IMPROVED **ORDINARY**

These bins are recommended for nails only. Each bin will hold 140 pounds of nails.

Nail bins equipped with scale cost $10.00 extra



These bins are made exactly like the Improved except they have no protections at end of partitions between bins. Handy for strap hinges, horse shoes, etc.

Each section works independently, and is hung on best steel balls. The stem on which all sections rest and revolve is molded solidly in the base, giving it sufficient strength to stand what is placed upon it.

Improved Revolving Nail Bins

No.	Sections	Bins	Height Feet	Weight, Lbs	Each
23	3	15	3	275	$70.00
24	4	20	4	335	83.00
25	5	25	5	385	95.00

Ordinary Revolving Nail Bins

No.	Sections	Bins	Height Feet	Weight, Lbs	Each
13	3	15	3	225	$60.00
14	4	20	4	275	70.00
15	5	25	5	325	80.00

*Not carried in stock; can be shipped promptly from factory.

BOX HOOKS

No. 10 White handle, length 9 inches, weight per dozen 7½ pounds, per dozen.....$2 80

No. 15 White handle, length 9¾ inches, weight per dozen 8 pounds, per dozen.....$5 40

HAY HOOKS

No. 14 White handle, polished, length 9 inches, weight per dozen 7 ½ pounds . . . . . per dozen, $5 50

One dozen in a box

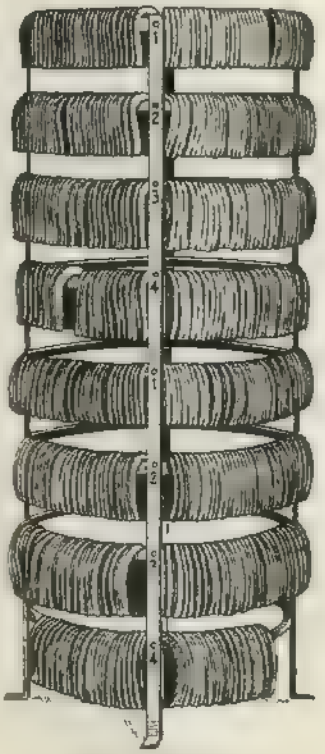
*HORSE AND MULE SHOE RACK

Rack Empty

No. 12 Rack holds 12 kegs of horse and mule shoes, is 5⅛ feet in height and 2 feet in diameter, weight 95 pounds, each $10 00

No. 15 Rack holds 15 kegs of horse and mule shoes, is 5¹ feet in height and 2½ feet in diameter, weight 100 pounds, each 12 00

This rack does away with kegs entirely for retailing and covers very little floor space, thereby saving valuable room, scratched hands and torn sleeves. The racks are numbered for the various sizes of shoes, separating the sizes as they are wanted. They make an indispensable fixture for all up to date dealers in horse shoes.



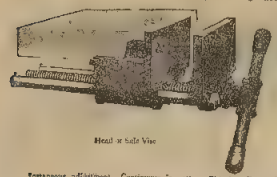
Rack Filled

*Not carried in stock; can be shipped promptly from factory

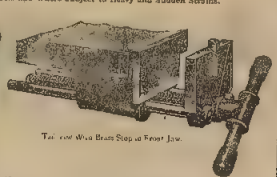
BENCH VISES

RICHARDS-WILCOX

Especially Suitable for Use in Manual Training Schools and Where Subject to Heavy and Sudden Strains.



Head or Tail Vise



Tail Vise With Beam Stop in Front Jaw

Instantaneous adjustment. Continuous in action. Phosphor Bronze Nut operates entire length of screw. No pawls, racks or triggers to break or wear. Nut is released and completely disengaged when pressure on work is removed by slight reverse movement of handle. No stripping or cutting of threads. When pressure is applied it screws the nut to engage and lock the screw firmly and is not held in position by any external mechanism. Screw is cut with single thread four to one inch, hence has double the power or pressure of one having screw cut with double thread. Guides are of cold rolled steel. Jaws are of best grey iron with working surfaces ground and finished. Special design of ribs on jaws secures minimum deflection or spring under pressure, as well as minimum weight.

	Each
‡No. 226½—Jaws 7x6 inches; Jaws open 10 inches; Screw 1 inch in Diameter, 4 Threads to the inch. Length over all 17 inches. Weight 29½ lbs.	37 00 5 00
‡No. 226½—Jaws 10x6 inches, Jaws open 12 inches; Screw 1 inch in Diameter, 4 Threads to the inch, Length overall 21 inches. Weight 39½ lbs.	3 40 6 00

Loose

	Each
‡No. 226½S—Jaws 7x6 inches; Jaws open 10 inches; Screw 1 inch in Diameter, 4 Threads to the inch. Length overall 17 inches. With Beam Dog in Front Jaw. Weight 30 lbs.	37.70 5 50
‡No. 226½S—Jaws 10x6 inches; Jaws open 12 inches; Screw 1 inch in Diameter, 4 Threads to the inch. Length overall 21 inches. With Beam Dog in Front Jaw. Weight 40 lbs.	9 10 8 50

Items Marked ‡ Not Carried in Stock; Can Only be Furnished by Shipping Direct From Factory, Aurora, Ills.

MASSEY "LIGHTNING GRIP"

These Vises are Built on Wickstead Hard Usage. Material, Workmanship and Finish are of the Highest Grade. Equipped with "Lightning Grip," which is Operated by a Quick Turn of the Handle, giving a Certain and Positive Grip at any desired opening.

Heavy Grey Iron Frame and Jaws; Drop Forged Steel Rack with carefully Milled Teeth; Malleable Iron Handle; Finish, Black Japanned, the Face and Upper Edges of Jaws Polished.

	Each
‡No. 17—Length of Jaws 8 inches, Depth of Jaws 4 inches; Jaws Open 12 inches, Weight 47 lbs.	9.00 2.00
‡No. 17A—With 3 inch Stop in Front Jaw; otherwise same as No. 17	10.20 2.75

Loose

	Each
‡No. 23—Length of Jaws 8 inches, Depth of Jaws 3 inches; Jaws Open 4 inches, Weight 34 lbs.	7.50 3.00
‡No. 23A—With Bench Stop in Front Jaw, otherwise same as No. 23.	8.70 3.75

Items Marked ‡ Not Carried in Stock; Can Only be Furnished by Shipping Direct From Factory, Chicago, Ill.

WOODWORKERS VISES

Japanned Cast Iron Body; Welded Steel Faced Parallel Jaws, Polished Steel Screws and Sliding Handle; Polished Jaws and Slide.

Designed for Use of Carriage and Wagon Makers, Pattern Makers and Wood Workers Generally.

SOLID JAW STATIONARY BASE VISE

No.	502
Width of Jaws, Inches	4
Jaws Open, Inches	9
Length Closed, Inches	12½
Weight, Each, Lbs.	45
Each	$10.00

BENCH VISES

*DIAMOND EDGE

Diamond Edge Vises are made especially for Jewelers and Makers of Small Tools. They are Strong and Substantial. Only the Best Materials are Employed in their construction great care being taken to see that all Parts Fit Accurately.

The Screw (Body, Head and Collar) is turned from one piece of Cold Rolled Steel and has a Square Lathe Cut Thread. The Jaws are Steel Faced, Hardened and are Ground to Insure that they Meet Squarely when Tightened. Both Back and Front Jaws are Filed to Fit.

These Vises are Made with two styles of Bases as follows:

A **Stationary Base**, in which the Vise is designed to be permanently Screwed to the Bench and a Clamp Base, which permits of the Vise being Clamped to benches of varying thickness up to 3 inches.

STATIONARY BASE

HARDENED TOOL STEEL JAWS

Black Japanned with Nickel Plated Trimmings.

No.	DEN3	DEN5	DEN4	DEN6
Width of Jaws	1¾	2	2¾	2¾
Length Closed, Inches	5¾	6	6¼	7
Weight Each, Lbs.	2¾	4	4¼	5
Each	2.00	2.00	3.00	4.00

Nickel Plated

CLAMP BASE

HARDENED TOOL STEEL JAWS

Full Dull Nickel Plated

No.	DEN3	DEN5	DEN4	DEN6
Width of Jaws	1¾	2	2¼	2½
Length Closed, Inches	5¾	6	6¼	7
Weight Each, Lbs.	3½	4¼	6	9¼
Each	$3.50	3.80	4.50	6.50

Black Japanned, Nickel Plated Trimmings

No.	DEN3	DEN5	DEN4	DEN6
Width of Jaws	1¾	2	2¼	2½
Length Closed, Inches	5¾	6	6¼	7
Weight Each, Lbs.	3½	4¼	6	9¼
Each	$2.40	3.00	3.80	4.60

Loose

Japanned

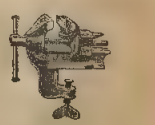
ASSORTMENTS

Embracing Five Styles of Vises Shown on the Right, in 20 inch Black Japanned Iron Display Stand.

No. B	12 Vises, Assorted	Three No. 0	Four No. B2	Two No. B4	Two No. B6	One No. One No. B7, Weight, per Set, Complete 50 lbs.	$17 50

One Assortment in a Case

BONNEY VISES



Cast Iron, Japanned, Polished Slide Edges, Jaws and Anvil Face. Steel Screw and Sliding Handle, Malleable Thumb Screw.

For All Light Work Used by Metal and Wood Workers, Farmers, etc.

Nos.	B1	B2	B4
Width Jaws, Inches	1½	2	2¾
Jaws Open, Inches	2¼	2½	3½
Weight Dozen, Lbs.	40	70	84
Per Dozen	$5 00	10 00	24 00

With Swivel Jaw Attachment

Self Aligning for Holding Taper Surfaces

Nos.	B3	B7
Width Jaws, Inches	2¼	3½
Jaws Open Inches	2¾	4½
Weight Dozen, Lbs	84	84
Per Dozen	$24 00	36 00

Loose

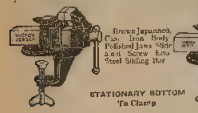
No. B7 Has Steel Faced Jaws

"DIAMOND EDGE IS A QUALITY PLEDGE"

BENCH VISES

VICTOR JERSEY

Fitted Just Like a Machinists Vise, with Loose Malleable Iron Nut, which Causes the Screw and Square Box Slide to Work Smooth and Easy. Jaws are Carefully Ground and Come Square Together on the Face.



Brass Japanned, Cast Iron Body Polished Jaws Steel Screw Box Steel Sliding Bar

STATIONARY BOTTOM To Clamp

PLAIN IRON JAWS

Nos	741	743	747	744	745	746
Width of Jaws, in.	1¾	1¾	2	2½	2¾	3
Length Closed, In.	4½	5½	6	6¾	7	8½
Weight Each, Lbs.	3	3½	4½	6	8	8¾
Each	$1.00	1.25	1.50	2.00	2.40	3.00

STEEL FACED JAWS, WELDED

Nos	701	703	705	704	705	706
Width of Jaws, In.	1¾	1¾	2	2½	2¾	3
Length Closed, In.	5¼	5¾	6	6¾	7	8½
Weight Each, Lbs.	3	3½	4½	6	8	8¾
Each	$1.40	1.65	2.00	2.40	2.90	4.00

Loose

SWIVEL BASE, STEEL FACED JAWS

Nos	772	775	774	775	776
Width of Jaws, Inches	1¾	2	2½	2¾	3
Length Closed, Inches	5½	6¼	6¾	7	8½
Weight Each, Lbs.	3	3½	4½	6	8¼
Each	$1.60	2.10	2.60	3.20	4.40

Loose

ASSORTMENTS WITH DISPLAY STAND

VICTOR JERSEY BENCH VISES

Cast Iron Standards, Black Painted with Silver Gray Lettering, Maple Rung and Base Board.

Dimensions.—Spread at Base 18x15½ inches, Height 31 inches

ASSORTMENTS WITH DISPLAY STAND

Per Assortment

No. BX15—Twelve Vises and Stand. Weight, 95 lbs. $20.00

Nos	741	743	747	744	745	746	761	763	772
Quantities	2	2	2	1	1	1	1	1	1

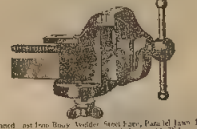
No. BX16—Eighteen Vises and Stand. Weight, 270 lbs. $26.00

Nos	741	743	747	744	745	746	761	763	772	774
Quantities	3	3	3	2	2	1	1	1	1	1

One Assortment Complete in Case

SHEPARD STATIONARY

Used as Stationary or Swivel Bottom Vise, Equipped with Gravel Bolt, Nut and Washer for Fastening to Bench, also Provided with Four Holes for Permanently Securing to Bench.



Japanned Cast Iron Body, Malleable Steel Jaws, Polished Jaws Polished Steel Screw and Sliding Handle, Polished Jaws and Slide

Nos	160	161	161½	162	163
Width of Jaws, inches	4	4½	4	5¼	6
Jaws Open, Inches	2	3	3½	4	6
Length Closed, Inches	6	6	11½	11½	12
Weight Each, Lbs.	12	13	14	16	20
Each	$2.70	3.30	4.00	4.50	6.50

EMPIRE STATIONARY BASE

These Vises are made entirely of Steel and every Part can be ordered from Headquarters. Defective Parts Replaced Free of Charge.

Japanned and Polished Steel Jaw Parts. Japanned Steel Body. Polished Steel Slide and Screw. Hold Put Steel Sliding Handle Bar

Nos	830	830	835	840
Width Jaws, Inches	3½	4	4½	5
Jaws Open, Inches	2½	3	3½	4
Weight Each, Lbs.	10	12	15	21
Each	$3.50	4.00	5.50	7.00

FARMERS OVAL SLIDE TO SCREW

Used by Farmers, Carpenters, Repair Shops, Blacksmiths and for General Work Anywhere.

Cast Iron, Japanned, with Polished Steel, Forged Jaws. Polished Steel screw and Sliding Handle

Nos	30	32	34	35
Width of Jaws	2	3	3½	4
Jaws Open, Inches	4½	5	5¾	6
Depth Opening, Inches	2 1-16	2½	2 1-16	3¼
Length Closed, Inches	7	8	15	17½
Weight Each, Lbs.	9	11	16	21
Each	$2.40	3.20	4.80	6.20

HAND VISES

*DIAMOND EDGE

For Jewelers, Tool Makers and Machinists

Forged Steel Screw, Plush Head, Polished, Hardened Jaws, Hardwood Handles, Brass Ferrule, Jaws Work on Parallel Lines

	For Dozen
No. DE2—Length 6 inches, Width of Jaws 1¾ inches, Opens ¾ inch, Weight per Dozen 6 lbs.	$6 00

Half Dozen in a Box

GERMAN

Black Enameled Iron Frame, Polished Hinged Jaws, Checkered Face, Steel Adjusting Bolt with Wing Nut, Flat Steel Tempered Spring.

No. 150—WITHOUT HANDLE	
Length, Inches	3½
Width Jaws, Inches	1¼
Jaws Open, Inches	3½
Weight Dozen, Lbs.	4½
Per Dozen	$6.00

No. 154—WITH HANDLE	
4½ Inch Black Enameled Hardwood Handle	
Length Frame, Inches	6¾
Width Jaws, Inches	1 1-16
Jaws Open, Inches	3½
Weight Dozen, Lbs.	8¾
Per Dozen	$8.00

	6
	1¾
	2
	6¾
	12.00

Half Dozen in a Box

MILLER'S FALLS CO.

Detachable Hollow Combody Handle, with Screw Cap Covering Chuck, Screw Driver Contained. Nickel Plated. Spring Retainer. Lead Awl, Scratch Awl and Washer Carried in Cap with Bit Stock for use in Bit Brace. Handle and Bit Stocks may be used in the Vise as shown in Cut or on Screwdriver in Bodyrest Right Angles. Forged and Tempered Steel Jaws. Nickel Plated and Polished. Steel Screw.

	Per Dozen
No. 3—Length 6¾ inches, Width of Jaws 1¾ inches, Jaws open 1¾ inches, Diameter of Screw ¼ inch, Weight per Dozen 2¾ lbs.	$20.25

Detachable Cocobolo Handle.

Equipped with Bit Stock Shank for use in Bit Brace.

Forged Steel Vise. Nickel Plated and Polished.

Extra Large Steel Screw.

	Per Dozen
No. 8—Length 9¾ inches, Width of Jaws 2 inches, Jaws open 2¾ inches, Diameter of Screw ½ inch, Weight per Dozen 5¾ lbs.	$29.25

Twelfth Dozen in a Box

BLACKSMITHS VISES

SOLID BOX

Japanned Forged Steel Body, Polished Tool Steel, Welded Jaws; Polished Steel Screw and Sliding Lever. Flat Steel Tempered Spring. Malleable Iron Box and Bench Plate

Nos	BV35	BV40	BV45	BV50	BV60	BV65
Weight each, Lbs.	33	40	49	80	80	105
Width and Opening of Jaws, In.	3½	4	4½	4½	5	5
Each	$10 00	10 50	11 00	11 50	12 00	14 50
	8.00	8.50	8.80	9.20	9.60	11.60

Nos	BV75	BV80	BV85	BV100
Weight Each, Lbs	70	80	85	100
Width and Opening of Jaws, Inches	5½	6¼	6½	6
Each	$15 00	17 00	18 00	22 00
	12 00	14 00	13 80	17 50

Loose

VISE BOXES AND SCREWS

For Blacksmiths Solid Box Vises

Malleable Iron Boxes, with Steel Screw and Sliding Handle

	Each
No. VJ—For Jaws Each 1 to 1¼ in. Wide. Diameter 1 inch. Length 12 inches, Weight 10 lbs.	$0.80
No. V—For Jaws Each 1¼ to 1½ in. Wide. Diameter 1¼ inches. Length 18 inches. Weight 15 lbs.	1.00
No. V3—For Jaws Each 1½ to 2 in. Wide. Diameter 1½ inches. Length 18 inches. Weight 30 lbs.	1.50

DIAMOND EDGE IS A QUALITY PLEDGE

KNITTED TOQUES

When folded back they may be worn as a skull cap or drawn down so as to well cover the ears and neck. As a winter head covering they are especially suitable for snow-shoeing, skating, skiing, etc. Made in three weights and various combinations of colors, gray trimmed with maroon, white or blue being the most popular.

No. TC. Medium weight jersey ..... $.50
No. TS. Good quality worsted, sweater knit ..... .50
No. TW. Of pure wool yarn, plain colors or fancy trimmed. Extra heavy weight ..... .75

For other hats and caps see pages 98 and 99.

ATHLETIC LIBRARY

	Each	Postage
Baseball, by John McGraw	$.10	$.03
Bag Punching, by Harry Seebach	.10	.03
Book of Rules for All Sports	.10	.03
Army Exercises, by Frank Idone	.10	.03
Club Swinging, by Hill & Burrows	.10	.03
Dumb-Bell Exercises, by Professor Attilo	.10	.03
Jiu Jitsu, by M. Ohashi	.10	.03
Physical Culture and Breathing Exercises	.10	.03
Physical Culture for Women, by Belle Gordon	.10	.03
Poker, Official Rules	.10	.03
Scientific Boxing, by James J. Corbett	.10	.03
Sporting Annual	.10	.03
United States Navy Drilling, by Tom Sharkey	.10	.03
Wrestling, by Champion Frank Gotch	.25	.04
Boxing and How to Train	.25	.04
Crocker's Guide, The	.25	.04
Jiu Jitsu Tricks, by K. Saito	.25	.04
Scientific Wrestling, by George Bothner	.25	.04
Strength and Health, by Young Sandow	.25	.04
Dog Pit, The	.25	.04
Hoyle's Games		

CAMPER'S OWN BOOK, PAPER BOUND 50c, CLOTH BOUND $1.00 PAID

CHOICE OF OUTING HANDBOOKS, $.70. POSTAGE 5c

Sporting Fire Arms, By Horace Kephart
Backwoods Surgery and Medicine, By Moody
Camp Cookery, By Horace Kephart
Packing and Portaging, By Dillon Wallace
Exercise and Health, by Dr. Hutchinson
Fine Art of Fishing, By Samuel G. Camp
Tracks and Tracking, By Josef Brunner
Wing and Trap Shooting, By Charles Askins

For other Sportsman's Books see pages 261, 262, 263

COASTER WAGONS

BUFFALO

Well Seasoned Second Growth White Ash Body Natural Finish, Bright Vermilion Hand Ornamentations, Standard Automobile Style Wheels Cold Rolled Pressed Steel Hub and Bushing, Well seasoned Second Growth White Ash Spokes ⅞x¾ in Felloe ⅞x¾ in Flat Steel Tire Electrically Welded and Shrunk on Felloe by Hydraulic Pressure, Hard Drawn Bessemer Steel Roller Bearings Cold Drawn Steel Axles Dust Caps Protecting Hubs and Bearings with Cotter Pins Bright Vermilion Finish, Striped in Black Varnished, ½ in King Bolts, Well Seasoned Hard Maple Bolsters, Handsomely Shaped and Ironed.

Roller Bearing, Removable Body.

Nos.	1	2	3	4
Body, Inches	14x32	14x34	16x38	18x40
Wheels, Inches	8	10	10	12
Weight Each, Lbs.	25	30	35	40
Per Dozen	$66 00	72.00	80 00	90.00

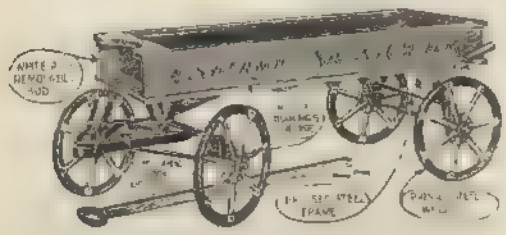
Roller Bearing, Quick Detachable Box.

Nos.	11	22	33	44
Body, Inches	14x32	14x34	16x38	18x40
Wheels, Inches	8	10	10	12
Weight Each, Lbs.	25	30	35	40
Per Dozen	$69.00	75.00	83.00	93.00

Nos. 1 and 11, Two in a Carton; Balance, One in a Carton.

COASTER WAGONS

SHERWOOD SPRING



Selected White Ash Removable Body, Natural Finish Pressed Steel Frame, Steel Spring Shock Absorbers, Pressed Steel Wheels with Enclosed Steel Roller Bearings, Frame Painted Black, Wheels in Vermilion

Hardwood Brake and Handle.

Nos.	32	34
Body, Inches	14x32	14x34
Wheels, Inches	8	10
Weight Each, Lbs.	31	34
Per Dozen	$66.00	78 00

Strongest and best wheels made, run easily under all conditions. No. 34 was tested for strength with 3 planks and 14 men on the coaster, a total weight of 2,301 pounds

One in a Container

Auto Wheel, Roller Bearing.

Per Dozen

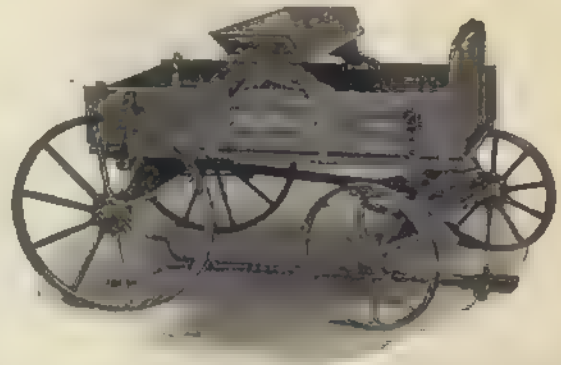
No. 0—12x28 in. Body, 8 in. Wheels, Weight Each 30 Lbs. $56 00

The No. 0 Auto Wheel Coaster is designed to meet the demand for a medium priced coaster, which in all the absolute essentials of speed, durability and general all-round efficiency, will satisfy the ambitions of all boys, but those who have the financial resources to demand and get only the best.

Two in a Carton.

FARM WAGONS

BUFFALO



Auto Type Wheels, Roller Bearing. Per Dozen

No. 8—18x36 in. Body, 14 in. Front Wheels, 20 in. Rear Wheels, Complete with Seat and Tongue Weight Each 70 Lbs. $144.00

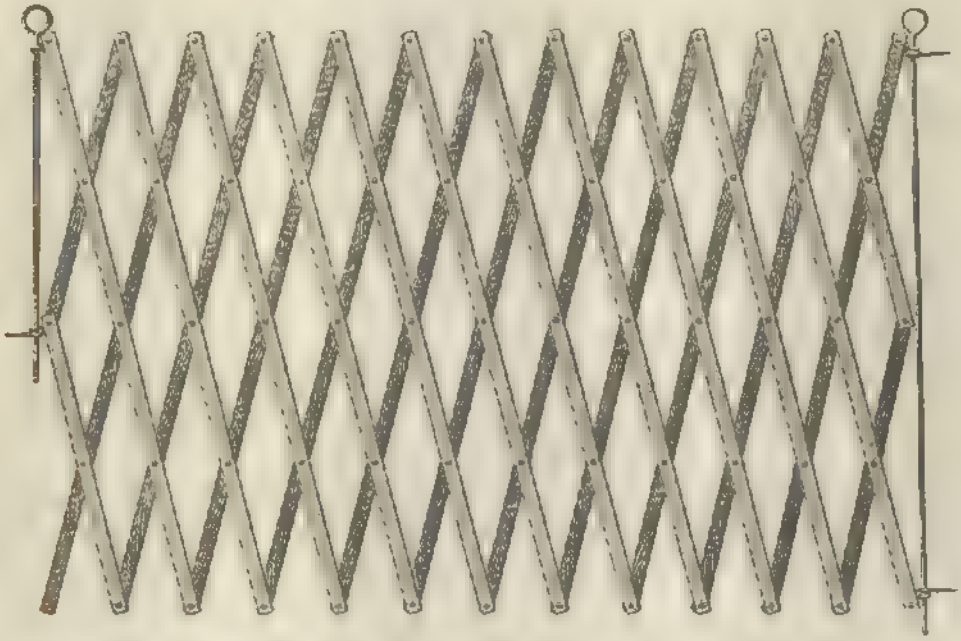
Extra Shaft—Size Inside 13x33 in. 24 00

This wagon has auto wheels same as used on Buffalo Coaster Wagons. The roller bearings gives it speed and ease of operation, beyond other types of wagons.

The No. 8 Wagon is constructed of the very best materials the markets afford. In every detail it is as perfect as the real farmer's wagon

One in a Crate.

PORCH OR STAIR GATES



Selected Hardwood, Finished in Two Coats of Water Proof Varnish, Tinned Metal Rods.

	Each
No. 1—33 in. High, 4 ft. Long when Open, without Center Support, Weight Per Dozen 180 Lbs.	$ . .
No. 2—33 in. High, 8 ft. Long when Open, with Center Support, Weight Per Dozen 240 Lbs.	. .

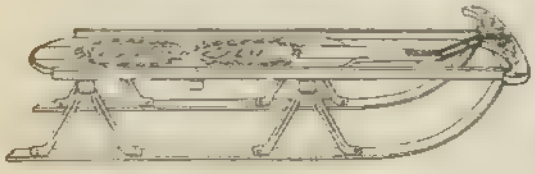
Complete with two standards which are held in place by iron braces. The standards are an important feature owing to the many porches having brick, stone or concrete columns. Also used at the head of a stair. The center support and fastenings are held in place by springs out of reach of the child.

COASTERS

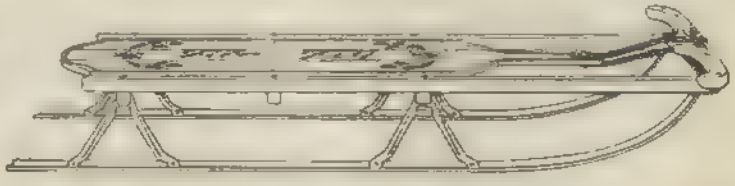
FIRE FLY

Spring Steel ⊥ Shaped Runners, Very Strong Vertically, but Flexible Sidewise, Hardwood Frame and Top, Nicely Decorated and Varnished, Runners Finished in Red.

Guided by the Steering Bar, Curving the Runners to the Right or Left as Desired, Light, Fast and Strong.



Nos. 9 to 11.



No. 12

	Each
No. 9—Length 32 in., Height 6 in., Width 11 in., Weight Each 7 Lbs.	$2 25
No. 10—Length 36 in., Height 6 in., Width 12 in., Weight Each 8 Lbs.	2 75
No. 11—Length 40 in., Height 6¼ in., Width 13 in., Weight Each 9½ Lbs.	3 50
No. 12—Length 45 in., Height 6¼ in., Width 14 in., Weight Each 11½ Lbs.	4.00

	Each
Racer—Length 49 in., Height 6 in., Width 12 in., Weight Each 10¼ Lbs.	$4 25

TROUT FLIES

Extra Fine Quality Trout Flies on No. 12 Hook

We carry a complete line of assorted Trout Flies in all varieties constantly carried in stock. We can please the most exacting fisherman in this line

Cherokee, best quality.....per dozen, $1.30
Cumberland, good quality.....per dozen, .50

CHILDREN'S WASH DRESSES

Except A7861, sold in any quantity or selection of sizes.
Sizes: 6, 8, 10, 12 and 14 yrs.

A7861

A7861—3 styles, 3 strips, check & figured percale patterns each in 2 colors, blue & white and pink & white or blue & white and navy blue & white; three colors solid color collars, cuffs, belts, ties of white; dress is cut open from 2 open back rib hidden buttons; skirt has 2 side plaits; all styles, colors and sizes 1 dozen pkg.
Doz. **$4.20**

A7875

Fine Toile du Nord gingham. 2 color new striped blouse and 1 color sleeves and plaited skirt, white linene Byron collar and turn-back cuffs, **pearl button-ing front, stripes, small.**

A7875—Blue, red, tan, green & white combined, stripes, matches solid b. blue shirt.

A7876—Pink, green, navy white and narrow tan combined stripes, matches solid pink skirt.
Each **$1.00**

A7880-2

Fine plaid cotton crepe—Soft blended colors on fine rib weave, new open front style, hidden button, crochet button trim, a front and side circular effect skirt, plaited back, white linen collar and cuffs, and in sleeves, white **embroidery collar.**

A7877—Red green, yellow and black on white.

A7878—Blue green black and yellow on white.

A7879—Green brown, yellow and black on white.
Each **$1.50**

A7880

A7880—2 pc. dress. White voile guimpe waist, with fine lace inserted front, sleeves and collar trim, dress of 4 color embossed roman stripe **Anderson gingham**, wide box plaited front and back side panels, wide detachable button girdle inserted under plaits and piped collar and long armholes, red silk ribbon, four in one tie.
Each, **$1.75**

A 7883-3

Tunic Dress with belt. Anderson gingham, toned 1 color plaid lengthwise stripes collar, vest front and piped sleeves, braid inserted armholes, back dress of **ribbon laced** eyelet front, plaited skirt and band trim for tunic, inserted plait covered pearl button back, detachable patent leather belt.

A7881—Blue, green & white plaid.

A7882—Pink, gray & white plaid.

A7883—Brown green, blue and white plaid.
Each, **$2.00**

"SCHOOL MAID" DOLLAR LINE OF GIRLS' WASHABLE DRESSES $8.46 Per Doz.

Price equivalent to $9.00 less 6%. Six up-to-date styles, each style in 2 colors. Workmanship of the best, cut full—no scant sizes. Summer patterns and fabrics, check stripe & plaid gingham, Covered crepe, silk linenes etc., each combination trims. All fast colors and in assorted colors. Sold in any quantity or selection of sizes.

Sizes: 6, 8, 10, 12 and 14 yrs.

A7863-2

Amoskeag Gingham. Crosshar plaid gingham, blue vest front, white embroidery trim, white piped mat ial solid color collar, belt and double ruffle trim, circular skirt, matching color buttons, white cord and tassel. Button back.

A7862—Blue & white plaid, solid blue trim.

A7863—Blue, brown & white plaid, new brown trim.
Doz. **$8.46**

A7864

Cotton Crepe. Colored floral sprays on white grounds, copenhagen blue or rose pink percale vest front and turn over collar & cuffs, circular skirt, piped to tie buttons on top, open front, pearl buttons, white at neck cord.

A7864—Rose pink & blue floral sprays.

A7865—Blue and lavender, floral sprays.
Doz. **$8.46**

A7866

Solid color linene, check gingham trimmed red. Blue check gingham vest front, collar, cuffs and plaited full wide ripping skirt, in sleeves, circular shirr, assorted pearl buttons.

A7866—Copenhagen b. linene, blue, black and white check gingham trim.

A7867—New rose pink linene, pink, white & black check gingham trim.
Doz. **$8.46**

A7868-2

Colored madras stripe Amoskeag gingham. Solid color percale vest front, collar, points cuffs and flaring front skirt, Solid color embroidery trim vest collar white silk neck cord, piped at yoke, long armholes, hidden button back, two rows plait.

A7868—Pink & narrow green cross white corded stripe rose pink trim.

A7869—Blue & lavender white corded stripe blue percale trim.
Doz. **$8.46**

A7869-2

Fine French percale. Solid colors. Pearl buttoning front, fine embroidery trim sailor collar and large cuffs, satin tache trim revers, white silk neck cord, double circular skirt, white piped at yoke, pearl buttons.

A7870 Copenhagen blue percale.

A7871—Rose pink percale.
Doz. **$8.46**

A7872-2

Check Amoskeag gingham. Piped yoke and sleeves, vest circular skirt, plaited in wide ripping corner over cuffs and collar, no sewing on separate collars, open front pearl buttons.

A7872—Pink, green and narrow black checks on white.

A7873 Navy blue, lt. blue and white check on white.
Doz. **$8.46**

A7880

CHILDREN'S MIDDY DRESSES.

White Linene.

Sizes as stated on 3 in any quantity or selection of sizes.

White linene Frock. Blouse attached skirt box plaited front and back, new wide buttoned front yoke, inverted plait blouse back, back yoke collar, new back cuffs shied and breast pocket trimmed in solid red or navy blue braid tie to match.

Sizes: 2 to 5 yrs.

A7880—White linene with red trim. Doz. **$8.50**

A7880 White linene with navy blue trim. Doz. **$8.50**

Sizes: 6 to 14 yrs.

A7887 White linene with red trim. Doz. **$9.00**

A7888—White linene with navy blue trim. Doz. **$9.00**

"INTRODUCTORY" ASSORTMENT.

"SCHOOL MAID" Girls' Washable Dresses.

13 Garments, Assid. Styles, Colors, Sizes 6 to 14 yrs.

Two each of six styles—each in 2 colors. Twelve different dresses—a representative assortment that will enable you to give the liberal test. Order and compare, it speaks for proof that "School Maid" dresses excel in the three qualities that bring increased business, desirability of style, quality of materials and perfect fit in workmanship.

A7874—Consisting of two of each style and one of each number of above selection, 13 dresses assid. sizes 6 to 14 years, assid. colors. 1 doz. in bdl. Doz. **$8.46**

CHILDREN'S 2 PC. MIDDY DRESSES.

White Galatea.

Blue white soft finish galatea, full blouse with deep hand button & pearl buttoned front, plain double stitched sleeves sailor collar cuffs and breast pocket faced with solid red or navy blue galatea, sewed to collar, square bottom, new to match separate fitted skirt with buttoned waistband.

Sizes: 2 to 5 yrs.

A7892—White with red galatea trim. Each, **$1.25**

A7891 White with navy blue galatea trim. Each **$1.25**

Sizes: 6 to 14 yrs.

A7891—White with red galatea trim. Each, **$1.50**

A7892 White with navy blue galatea trim. Each, **$1.50**

A7892

WHITE LINGERIE DRESSES

SIZES 6 TO 14 YEARS

Up-to-date styles, good materials, high quality workmanship and value. Except A7825 sold in any quantity or selection of sizes.

A7834 Fine sheer lawn. 3 styles, fine pattern Swiss embroidery in front, shirred embroidery insertion and shirred tuck in front, neck trimmed with embroidery, one style embroidery collar, lace trim sleeves, glasses tuck below and over shoulder tucks. Assd styles & sizes. ⅜ doz in box. Doz. **$8.50**

A7835 Sheer lawn. Swiss embroidery panel front and 2 tucks effect flounces of excellent embroidery, plain tucks set in between and scalloped lace edge, collar and yoke effect, one side front opening, pink or blue ribbon run through broiders, lace on belt with row of glazed ribbon, tucked back. Very dressy, excellent workmanship, assd styles & sizes. Doz. **$12.00**

A7836 Allover Swiss embroidery. Full blouse, fine embroidery edge on blouse sides and sleeves and V collar, embroidery trim circular skirt and tunic, inverted plait in back, pink or blue silk ribbon sash and bow. Each. **$1.75**

A7837—White voile. Vest front and plaited skirt, hem and vest with hemstitched tucks, vest and sleeves plaited, 2-row insertion of embroidered strips, vest trim with colored ribbon run through and tailored bow front, velvet neck bow and ribbon trim, sleeves with hemstitched ruffles, lace and ribbon trimming. Each, **$1.75**

A7838 Sheer lawn. New open front, pearl buttons set in front of the embroidery, plaited and pin tuck effects, embroidery insertion on collar, cluster pin tuck back, 2 rows lace and embroidery flounces, tunic style, embroidery edge own collar and turnback cuffs. Each, **$2.00**

A7839 Novel open effect lawn. Lengthwise open front, pearl buttons and buttonholes, embroidery inserting and edging, pin tucks and vest, the latter of the Swiss embroidery, pointed flounces, lace trim and insertion, new sack styles embroidery lace and ribbon, tunic style, embroidery edge flounce, tunic modeled wash plait or ribbon sash with ribbon bow lace trimmed bretelle straps. Each, **$2.50**

Sizes 2, 3, 4 and 5 Years

A splendid variety of styles, the choicest numbers in assortments. Every garment properly sized and fit, neat. Showy designs, yet of finest quality. Except A7832 and A7834, sold in any quantity or sort, of sizes.

A7832 Good lawn. 3 styles. 2 with embroidery panel front, shirred embroidery neck, sleeves ruffle and panel front, one tuck side pearls and pearl buttoning, 3 sizes. Assd styles and sizes. 4 doz in box. Doz. **$4.25**

A7834—Sheer lawn. 3 styles. Embroidery and val lace insertion front, lace insertion and tucks, fine lace bottom, 2 rows embroidery flounces, pink or blue ribbon run through, tucked back, with row of lace and ribbon beading, assd styles and sizes. ⅜ doz in box. Doz. **$8.50**

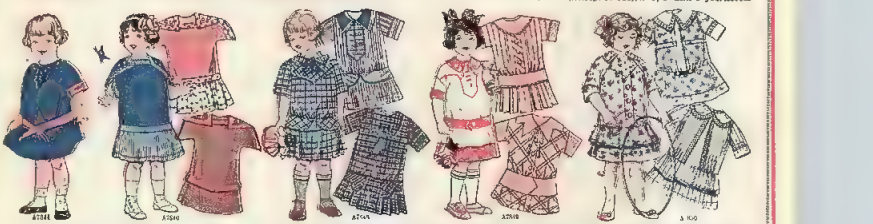
A7835 Sheer lawn. Swiss embroidery double panel front and back, circular skirt flounces, plaited tuck belt, lace front and back over yoke neck and sleeves, covered button back, large pink or blue ribbon rosette. Doz. **$9.00**

A7836—Sheer Persian lawn. Fine Swiss embroidery one style of covered button front, clusters tucks and val lace panels, 2 gathered flounces, one of embroidery, tunic effect, pink or blue silk ribbon bows at belt and neck, turnover embroidery collar trimmed turquoise cuffs, cluster pin tuck, wash belt back. Doz. **$12.00**

A7837—Sheer lingerie lawn. Swiss embroidery panel front, flounce edges, panel and flounces have clusters and insertion of fine val lace, pink or blue rosette and ribbon trim, novelty back, cluster tuck and lace inserted bands, new skirt. Doz. **$15.00**

FANCY WASH DRESSES

3 style assortments of staple fabrics in Amoskeag ginghams, linens, percales and cotton repps. Attractive trimmers up-to-date styles, best workmanship. Guaranteed fast colors. Sizes, (Except A7841), 2 3, 4 and 5 yrs. assid.



A7844 Sizes 1 to 3. Linene, 2 colors, tan with color Copenhagen waistband cuffs and belt, white or red outline fancy collar, dome pin buttons, glove silk finished neck sleeves and front, left. Assd colors and sizes. 1 doz in pkg Doz. **89c**

A7846—3 styles. 2 assid solid color linene waists, striped or figured percale shirts and linen Lonsdale or Madras style contrasting collar and cuffs, with shoulder style buttonings, short sleeves. Assd patterns and colors, copenhagen blue, pink and tan. 1 doz in bdl. Doz. **$2.10**

A7848 2 styles Amoskeag ginghams. Checks and stripes, 2 styles of skirts, one with buttons on side, plaited plain or yoke collars and trimmings, one style plain or collar and vest effect front, other all plaited, the skirt set in sleeves, one in plain front, others covered buttons, ample assid styles sizes and colors, blue, pink and tan. 1 doz in pkg. Doz. **$4.25**

A7849—3 styles gingham and linene. Assd checks and plaids, plain and fancy trimmings, some have cuffs and belt, some white linene, one of plain percale and figured sateen, 2 with Hungarian tunic style, striped with contrasting plaid, 2 short sleeves, 2 button backs. Assd. styles sizes and colors, pink, blue & white. 1 doz in pkg. Doz. **$4.25**

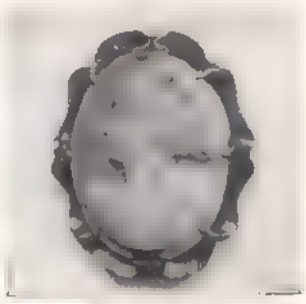
A7850—3 styles cotton crepe, 1 with lace and tucks and with cotton lace ruffle skirt, white colored Swiss vest and 2 tucks and 2 rows lace edged, Hoerl pattern, 1 has ruffle skirt, white, pink sleeves all over embroidery, white collar and cuffs, 1 has yoke of tucks and lace, short sleeves, 1 has yoke of tucks and lace, short sleeves, colored bow, velvet bow, sleeves. Assd styles colors & sizes. 1 doz in pkg Doz. **$4.25**

Extra Fine Genuine Cameo Jeweled Brooches and Pendants

These exclusive, specially designed Brooches are substantially and finely executed in 14k and 10k solid gold in rose or green finish. Only the finest Coral Cameos and Grade C1 Diamonds and genuine Oriental Pearls used in these articles. Special designs submitted on request.

PRICES EACH.

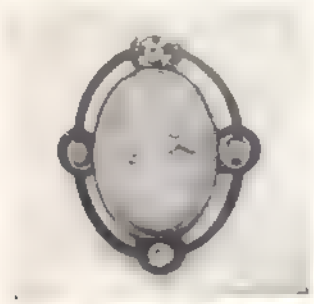
[illegible] pink shell cameo, heavy scroll design, 10k solid gold [illegible] finish
No. 5865 [illegible] $53.00



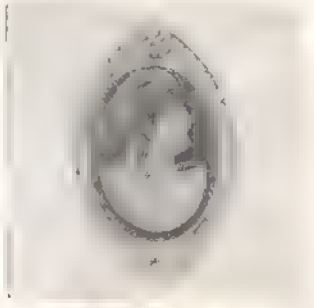
Extra fine pink shell cameo, heavy scroll design, 10k solid gold [illegible] finish
No. 5866 [illegible] $45.25

Extra fine pink shell cameo, heavy scroll design, 10k solid gold, [illegible] finish.
No. 5867 $40.50

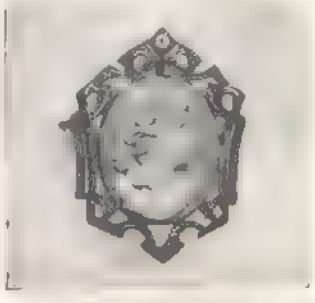
1 fine coral cameo, art nouveau brooch pendant, 10k solid gold rose finish.
No. 5868 [illegible] ...$44.00



1 fine [illegible] pink shell cameo, [illegible] 10k solid [illegible]
No. 5869 [illegible] $50.00



2 [illegible] fine pink shell cameo, [illegible] 10k solid gold [illegible] finish
No. 5870 [illegible] $[illegible]



1 fine [illegible] extra fine pink shell cameo, [illegible] 10k solid gold [illegible] finish
No. [illegible] $[illegible]

1 fine diamond, [illegible] cameo, art nouveau [illegible] diamonds [illegible]
No. 5872 $[illegible]

1 fine white [illegible] cameo, fine coral [illegible] art nouveau brooch pendant, 14k solid gold rose finish
No. 5873 $66.00

[illegible] fine coral cameo, art nouveau brooch pendant, 14k solid gold, rose finish.
No. 5874 $70.50

Extra fine coral cameo, art nouveau brooch pendant, 14k solid gold, [illegible] finish.
No. 5875 ...$70.25

1 fine diamond, extra fine coral cameo, art nouveau brooch pendant, 14k solid gold rose [illegible]
No. 5876 $85.00

1 fine diamond, extra fine coral cameo, art nouveau brooch pendant, 14k solid gold, rose finish
No. 5877 [illegible] $102.75

1 fine Hancock extra fine coral cameo, art nouveau brooch pendant, 14k solid gold rose finish
No. 5878 .....$110.00

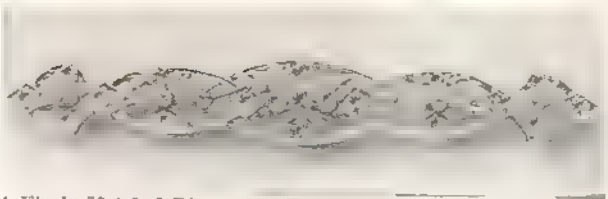
1 fine Hancock extra fine coral cameo, [illegible] pearls, art nouveau brooch pendant, 14k solid gold rose finish.
No. 5879 .....$122.25

1 [illegible] cameo, extra fine pink coral cameo, [illegible] pendant, platinum and 14k solid gold.
No. 5880 .....$368.75

Extra Fine Diamond Jeweled Bar Pins

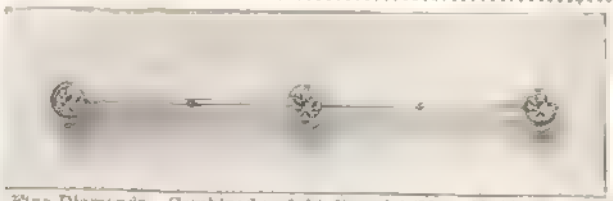
Our Artistic Designed Bar Pins are Carefully Executed by Our Best Artisans in Platinum. They are Securely Set With Grade C1 Diamonds and Other Precious Stones

PRICES EACH

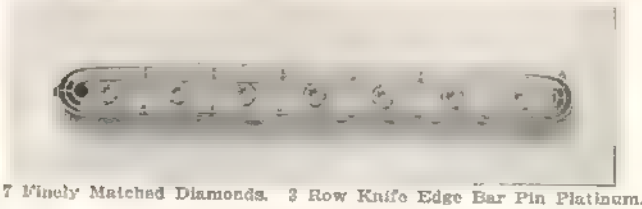


61 Finely Matched Diamonds. Finely Scrolled Design Bar Pin. All Platinum.
No. 5881 .....$321.50

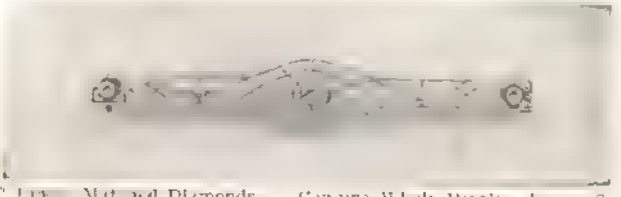
6 Finely Matched Diamonds. Beautiful Open Work All Platinum Bar Pin
No. 5883 .....$440.00



Fine Diamonds. Combined weight ¾ and 1/32 or 89/100 ct. Double [illegible] Bar Pin, Platinum
No. [illegible] $396.00

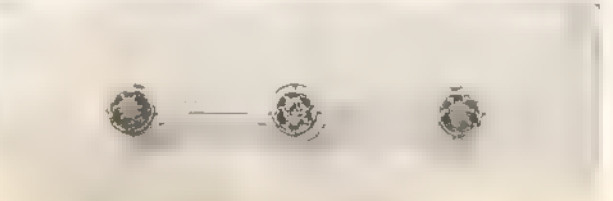


7 Finely Matched Diamonds. 3 Row Knife Edge Bar Pin Platinum.
No. 5887 .....$278.75



7 Finely Matched Diamonds. 2 Genuine Whole Pearls. Fancy Open Work. Platinum.
No. 5889 .....$198.00

7 Finely Matched Diamonds. Fancy Scroll Knife Edge Design. 14K Solid Gold.
No. 5891 .....$102.75

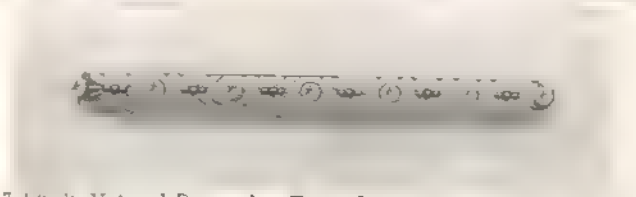


1 Fine Diamond. 2 Genuine Pearls. Fine Knife Edge Design. 14K Solid Gold
No. 5893 .....$86.00

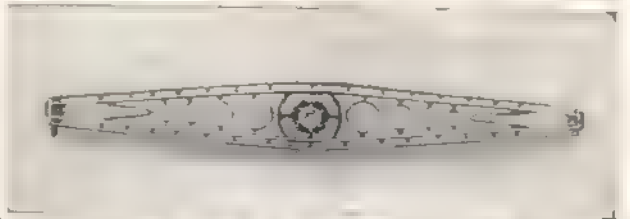
7 Finely Matched Diamonds. 2 Japanese Cultured Pearls. Fancy Bar Pin. All Platinum.
No. 5882 .....$469.50

14 Fine, Matched Diamonds. Pretty Open Bar Pin. Platinum.
No. 5884 .....$410.75

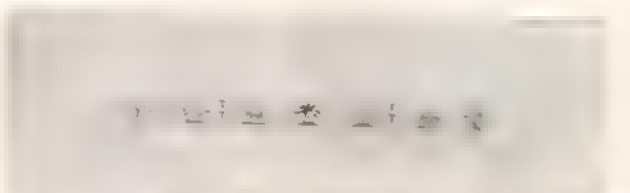
7 Fancy Matched Diamonds. 3 Genuine Pearls. Fancy Open Work Bar Pin. Platinum
No. 5886 .....$350.00



7 Finely Matched Diamonds. Fancy Open Work. All Platinum Bar Pin.
No. 5888 .....$[illegible].00



1 Fine Diamond [illegible] or 15/16 ct. Fancy Knife Edge Bar Pin 14K Solid Gold
No. 5890 .....$108.50

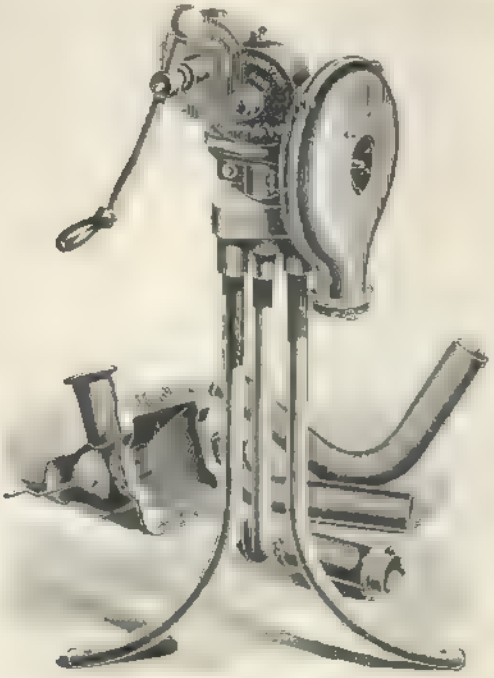


1 Fine Pearl and 3 Fine Sapphires. 4 Fine Oriental Pearls. Platinum Bar Pin.
No. 5892 .....$80.75

3 Fine Diamonds. Combined weight, ⅛ or 13/100 ct. Open Work Bar Pin. 14K Solid Gold.
No. 5894 .....$26.50

BLOWERS

CHAMPION STEEL BLACKSMITHS' BLOWER



Adjustable Ball Bearings

No. 400 Champion Blacksmith Blower with No. 400 Champion "Whirlwind" Blast anti-clinker heavy nest tuyere iron, fan 12 inches in diameter, complete with piping, weight 160 pounds, each.....$37.00

WELDING COMPOUND

Borax-ette In 5 pound boxes, per pound.. $0.16
Borax Refined, powdered, in bulk, per pound .20
Borax Refined, lump, in bulk, per pound. ..... .16

The Best Flux known for Welding

And MALLEABLE Iron to Steel

Cherry Heat Welding Compound, per pound.....$0.16

TUYERE IRONS

CHAMPION "WHIRLWIND" BLAST ANTI-CLINKER HEAVY NEST TUYERE IRON

For General Blacksmiths

A Tuyere Iron that Makes a "Whirlwind" Blast

No. 400 Champion "Whirlwind" Blast Anti-Clinker Heavy Nest Tuyere Iron is 5 inches deep, 8¾ inches wide and 10½ inches long, over all 12 [illegible], weight 60 pounds, each.....$10.00

A Tuyere Iron that concentrates the blast and heat in the Tuyere Nest, thus makes a hotter fire and heats the iron one-third quicker.

Single Duck Nest

No. 1 Weight 11 pounds, per dozen.....$8.00

Double Duck Nest

No. 22 Weight 17 pounds, per dozen.....$12.00

Norton

Weight about 27 pounds, each.....$2.00

Warren

Weight about 31 pounds, each.....$2.20

BELLOWS

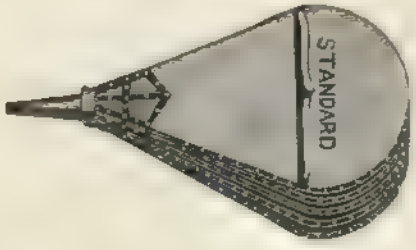
HAND

Inches	8	10
Weight per dozen, about, pounds	18	26
Hand Bellows, per dozen	$10 00	13 00

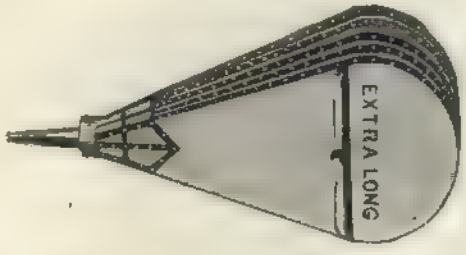
MOULDERS'

Inches	10	12
Weight per dozen, about pounds	29	33
Moulders' Bellows, per dozen	$14.00	18 00

BLACKSMITHS' STANDARD



BLACKSMITHS' EXTRA LONG



Inches	28	30	32	34	36	38	40	42	44
Weight each, pounds	45	50	55	65	70	80	90	95	100
Standard Bellows, each	$12.00	13.00	14 00	16 00	18 00	20 00	23 00	27 00	32 00
Weight each, about, pounds		55	60	75	85	90	95	100	110
***Extra Long** Bellows, each		15.00	17 00	19 00	21 00	24 00	28 00	34 00	40.00

FARRIERS' KNIVES

No. 7834 Geo. Wostenholm IXL, 5/8 and 3/4 inch blades, assorted, weight per dozen 2½ pounds, per dozen....**$8.00**

One half dozen in a box

BLACKSMITHS' BUTTRESS

No. 2 Wood handle, polished shank and blade, weight per dozen 15 pounds, per dozen..... **..$12.00**

TIRE MEASURING WHEEL

No. 606 Raised graduations, drop forged steel, weight each about 1¼ pounds, each..... **$3.00**

BLACKSMITHS' APRONS

No. 100 Medium, split leather, 27x36 inches, weight per dozen about 20 pounds, per dozen..... **.....$27.00**

*Not carried in stock; can be shipped promptly from factory.

CARLETON CANOES

The Carlton Model Canvas Covered Canoe is a reproduction from a birch bark canoe belong to the Penobscot or Tarratine tribe of Indians, having been on the market for more than twenty-five years.

Ribs and Planking—Selected cedar free from unsound or shaky imperfections, planking is fastened to the ribs with copper tacks, solidly clinched.

Gunwales and Finish Rails—Are selected straight grained eastern spruce

Stems—Are shaped from white ash.

Seat Frames, Thwarts and Decks—From ash, birch and maple.

Bow Seats—Are dropped on 4 in bolts. Bow and stern seats of cane, detachable, and two thwarts, detachable, furnished with each canoe. Third thwart, in center, is removable in all canoes 17 ft. long and up.

Fastenings—Copper, brass, and galvanized iron.

Hardwood Keel—⅞ in. deep, runs entire length of canoe.

Finish—Special paint is used in filling the canvas, all pores being well filled.

Colors—Dark green (always in stock), dark red, light green, light red.

CARLETON OPEN GUNWALE CANOE, WITH KEEL

	16	17	18	19
Length, Feet	34	35	35½	36½
Width, Inches	12	12½	13	13
Depth, Inches	65	70	75	80
Approximate Weight, Lbs	100	115	120	130
Approximate Shipping Weight, Lbs	$76.00	78.00	82 00	86.00
Each				

CARLETON CANOE WITH SPONSONS

A craft which it is practically impossible to upset, and which, even though filled with water will easily support the weight of three or more people.

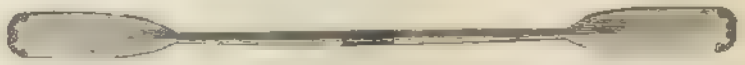
The Sponsons are long air chambers attached just below the gunwale on the outer sides and extending from bow to stern, they are not bulky or conspicuous

		16	17	18
Length, Feet				
With Keel, Regular Gunwales	Each,	$ 92.00	94.00	98.00
With Keel, Open Gunwales	Each,	100.00	102.00	106.00

Note—Rowlocks may be added and the canoe used as a rowboat if desired

EXTRAS AND EQUIPMENTS FOR CARLETON CANOES

Single Paddles—Lengths 4½, 4¾, 5, 5¼, 5½, 5¾, 6 ft

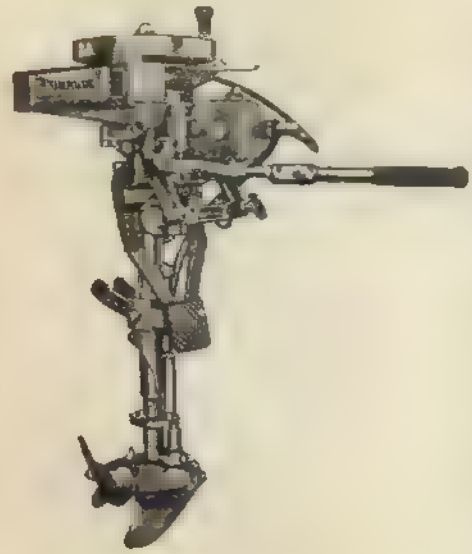


Double Paddles—Lengths 9, 9½, 10, 10½ ft.

Paddle—First Quality Spruce or Maple	$3.00
Paddle—First Quality Spruce or Maple, 8 in. Blade	3.50
Paddle—Second Quality Spruce or Maple	2.00
Copper Tip on Paddle	.40
Paddle—Spruce, Double, with Joint	7.00
Rubber Drip Cups, Per Pair	1.00
Setting Pole, with Iron Pick	3.00
Slat Back Rest—Spruce	1.50
Slat Back Rest—Double Width, Spruce	2.00
Slat Back Rest—Double Width, Mahogany	3.50
Caned Back Rest—Hardwood Frame	3.00
Caned Back Rest—Mahogany	4.00
Slat Chair—Folding, Spruce	2.50
Caned Chair—Folding, Hardwood Frame	5.00
Caned Chair—Folding Mahogany Frame	7.00
Carrying Yoke	4.50
Painter Ring	.70
Sailing Outfit	

Outside Stems—Allow 8 Days	$ 4.00
Hardwood Long Decks—Allow 8 Days	8.00
Floor Racks	2.00
Galvanized Iron Air Tanks for Bow and Stern	12.00
Gold Stripe, ⅛ in.	4.00
Gold Stripe, ½ in., Turned Down Ends	8.00
Color Stripe, ⅛ to 4 in. Wide	4.00
Color Stripe, ½ in. to 4 in. Wide, Turned Down Ends	5 00
Color Stripe, Edged with ⅛ in Gold Lines	6 00
Names in Gold Letters, 2½ in., Per Letter,	24
Flag Pole—Mahogany	1 00
Flag Pole Socket—Flush	70
Flag Pole and Socket—Nickeled	1.80
Life Preserver Cushion—14x14 In.	3 00
Repair Outfit	2 00
Color Coat for Refinishing One Canoe Outside	1 50
Varnish Coat for Refinishing One Canoe Outside	1 00
Varnish Coat for Refinishing One Canoe Inside	1 00

ROWBOAT MOTORS



EVINRUDE TWO-HORSE POWER, DETACHABLE

Easily attached to any rowboat or canoe; drop it over the stern-board and turn up thumbscrew with your fingers. There are no connections to make, no holes to be bored, no extra tools required.

Beautiful Enamel Finish, "Evinrude Gray" Enamel Baked on, Not Painted. Tank Capacity 8 Pints.

	Each
No. 2HP—Two Horse Power (One Cylinder Two Cycle) with Magneto, Evinrude Silencer and Automatic Reverse. Complete. Net Weight 70 Lbs., Boxed 130 Lbs.	$
No. 02HP—Same as Above, but without Automatic Reverse. Net Weight 67¾ Lbs	

Note—For installation in canoes, the above can be furnished with special bracket at same price

The Little Evinrude will drive the ordinary rowboat faster than the usual launch engines of twice its power. Every bit of power developed in the cylinder is delivered at the propeller. The speed of 6 to 8 miles an hour has enabled Evinrude owners to carry away many prizes against boats of greater horse power.

The cost of operation is very slight, as a tank of gasoline and oil, mixed, lasts from three to four hours of steady running at full speed.

GENERAL DESCRIPTION

Ignition The Evinrude Magneto—Built In Fly Wheel Type is standard equipment on all **Evinrudes.** The magneto is built into and made part of, the fly wheel. The armature and all connections are waterproofed and insulated so that moisture or spray cannot affect the spark.

Electrical Connections—The high tension cable, leading from the armature to the spark plug, has a heavy coating of pure rubber. Over the spark plug is fitted a removable hood to prevent any short circuit and also to protect the operator in the stern from shock.

Speed Control Right in front of the operator is the timer lever. To speed up, push it to the Right; to slow down shove it to the Left; to stop head press the little brass button at your fingers end. Everything within reach simple and easily understood. For a very slow, trolling speed the **Evinrude** "Sure Catch" Trolley Attachment may be fitted to the propeller in a minute's time—or as quickly detached.

Gasoline Tank—Special care is exercised in the making of our gasoline tanks; the best 4X tin is used, all seams reinforced by an extra fold of metal and carefully soldered. There is absolutely no danger of fire, in any case as the gasoline would drop into the water and not into the boat.

A sieve-strainer at the bottom prevents dirt from getting down into the carburetor and a strainer plug, easily removed, permits cleaning at any time.

Lubricating oil and gasoline are mixed together and placed in the tank; directions for mixing being stamped right on the tank. With the filler cap for the gasoline tank is combined a cup for the measurement of the correct quantity of lubrication.

Carburetor An efficient, little mixing valve, which operates equally well at high or low speed, is used. Once set it requires no further adjustment, as the gasoline flow is controlled from the shut-off valve. It is economical of fuel, and does not get out of order unless abused. The valves are set after testing at the factory and if directions are followed, there's no chance for trouble.

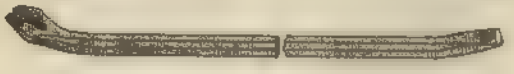
Gear Housing The housing for the driving gears is of bronze cast in one piece with the fin skeg which rides over snags and shallows, protecting the propeller and assisting in steering.

Propeller Wheel Just the right diameter and pitch, to develop the full speed and power, hard enough to prevent bending when striking rocks and still not so brittle as to break a fluke.

Automatic Reverse—With the Automatic Reverse, the boat is under absolute control at all times. Without stopping the motor the change can be made from Forward to Reverse, or from Reverse to Forward, almost instantly. Turn the boat in its own length; go ahead; "back up"; manœuver at will, even in crowded quarters.

Mechanically speaking the motor proper is not reversed. The propeller sleeve hangs, figuratively, in a swivel. A simple twist of the steering handle releases a dog, the propeller sleeve swings through a half circle and is "pointed" in the opposite direction. The natural reaction or "thrust" of the propeller against the water is utilized to swing it to its opposite direction automatically, where it is locked into place. This naturally changes the direction of rotation and the push of the propeller against the water exerts a backward thrust on the boat equal in force to that which was previously used in driving it forward.

CARPENTERS' RIPPING BARS



Straight.

Per Dozen

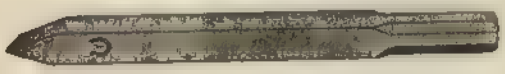
No. 1007 24 in. Long, ¾ in. Octagon Forged Steel, Oil Finish, with Claw and Pinch Point, Weight Each 3 Lbs.....$9 00

Goose Neck.

Per Dozen

No. 1021—24 in. Long, ¾ in Octagon Forged Steel, Oil Finish, with Claw and Pinch Point, Weight Each 3½ Lbs.....$9.00

CROW BARS



No. 1160—Wedge Point, Solid Forged Steel, Oil Finish.

Weight Each, Lbs...	4	6	8	10	12
Length, Feet.....	2½	3½	3¾	4	4½
Square, Inches.....	¾	⅞	1	1	1⅛
Each	$1.05	1.05	1.05	1.15	1.20

Weight Each, Lbs...	14	16	18	20	22	24
Length, Feet	4⅝	4 11/12	5	5⅛	5 1/12	5⅜
Square, Inches.....	1⅛	1⅛	1¼	1⅜	1⅜	1⅜
Each	$1 25	1.45	1.60	1 80	2 00	2.15

Weight Each, Lbs...	25	26	28	30	35	40
Length, Feet.....	5⅝	5⅝	5⅝	6	6⅛	6⅜
Square, Inches.....	1½	1½	1⅝	1⅝	1⅝	1¾
Each	$2.25	2.35	2.50	2 70	3.15	3.60

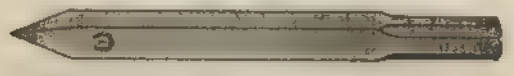
No. 1161—Pinch Point, Solid Forged Steel, Oil Finish.

Weight Each, Lbs...	6	8	10	12
Length, Feet.....	3½	3¾	4	4½
Square, Inches. . . .	⅞	1	1	1⅛
Each	$1 05	1 05	1 15	1.20

Weight Each, Lbs...	14	16	18	20	22	24
Length, Feet.....	4⅝	4 11/12	5	5⅛	5 1/12	5⅜
Square, Inches ..	1⅛	1¼	1⅜	1⅜	1⅜	1½
Each	$1 25	1.45	1 60	1.80	2.00	2 15

Weight Each, Lbs...	25	26	28	30	35	40
Length, Feet.....	5⅝	5⅝	5⅝	6	6⅛	6⅜
Square, Inches.....	1½	1½	1⅝	1⅝	1⅝	1¾
Each	$2.25	2.35	2.50	2.70	3.15	3.60

LINING BARS



No. 1150—Solid Forged Steel, Oil Finish.

Weight Each, Lbs...	16	18	20	22	24	25
Length, Inches .	59	60	64	67	69	69
Square, Inches . ..	1¼	1¼	1⅜	1⅜	1 7/16	1⅜
Each	$1.70	1.90	2.10	2.30	2.50	2.65

All Above, Open Stock.

TELEGRAPH DIGGING BARS

No. 1160C—Solid Forged Steel, Oil Finish.

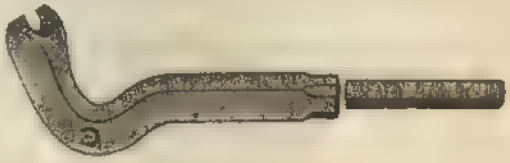
Length, Feet . .	6	8	9
Size of Steel, Inches.....	1⅛	1⅛	1⅛
Weight Each, Lbs.....	20⅛	27⅛	31
Each	$3.10	4.15	4.65

RAILROAD CLAW BARS

Each

No. 1120—5 ft. 5 in. Long, Solid Forged Steel, Oil Finish, for ⅝ in. Spikes, Weight Each 30 Lbs. $4 50

GOOSENECK CLAW BARS



Each

No. 1130—5 ft. 3 in. Long, Solid Forged Steel, Oil Finish, Weight Each 25 Lbs.....$4.90

TAMPING BARS

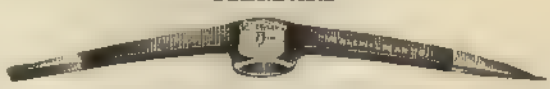
Each

No. 1140—5 ft. 8 in. Long, Solid Forged Steel, Oil Finish, ⅞ in. Diameter Handle, with 3½x⅝ in. Tamping End, Weight Each 14 Lbs.....$1 80

All Above, Open Stock.

RAILROAD PICKS

STANDARD



No 35—Adze Eye, Soft Steel Body, Painted Black, Polished Cast Steel Points.

Weight Each, Lbs.....	5 to 6	6 to 7	7 to 8	8 to 9
Weight Per Case, Lbs .	155	180	205	230
Per Dozen	$14.00	15.00	16.00	18.00

Weight Each, Lbs.....	6	7	8	9
Weight Per Case, Lbs..	170	195	220	245
Per Dozen	$14.50	15.50	17.00	19.00

Two Dozen in a Case.

CONTRACTORS' PICKS

No. 43—Adze Eye, Round Best Tool Steel Points, Oil Finish.

Weight Each, Lbs.....	6	7	8	9
Weight Per Case, Lbs..	170	195	220	250
Per Dozen	$17.50	18.50	19 50	21.50

Two Dozen in a Case.

PICKS.

ORE

No. 39—Adze Eye, Cast Steel, Oil Finish.

Weight Each, Lbs.	6 to 7
Weight Per Case, Lbs.	180
Per Dozen	$15 00

Two Dozen in a Case.

TAMPING

No. 38—Adze Eye, Extra Quality, Solid Cast Steel, Oil Finish.

Weight Each, Lbs.	6 to 7
Weight Per Case, Lbs.	180
Per Dozen	$18.00

Two Dozen in a Case.

STONE

No. 50—Solid Cast Steel, Oil Finish.

Weight Each, Lbs.	5 to 6	6 to 7	7 to 8	8 to 9
Weight Per Case, Lbs.	155	180	205	230
Per Dozen	$16.50	17.50	18.50	19.50

Two Dozen in a Case.

QUARRY

No. 51—Solid Cast Steel, Oil Finish.

Weight Each, Lbs.	5 to 6	6 to 7	7 to 8	8 to 9
Weight Per Case, Lbs.	155	180	205	230
Per Dozen	$16.50	17.50	18.50	19.50

Two Dozen in a Case.

POLL

No. 48—Adze Eye, Solid Cast Steel, Oil Finish.

Size Nos.	1	2	3	4	5	6
Wt. Ea., Lbs.	3½	4	4½	5¼	6	6¾
Wt Ca. Lbs	100	110	125	135	165	175
Per Dozen	$15 00	16.00	17.00	18.50	20 00	21 50

Two Dozen in a Case.

GRUB HOES

Western Pattern, Oval Eye, Cast Steel, Painted Black, Polished Bit.

Nos.	1	2	3
Size, Inches	10⅝x3⅝	11½x4	11½x4¼
Weight Each, Lbs.	3½	4	4½
Weight Per Case, Lbs.	100	110	125
Per Dozen	$13.00	13.50	14.00

Two Dozen in a Case

ASPHALT MATTOCKS OR CUTTERS

No. 15—Regular, Adze Eye, Solid Cast Steel, Oil Finish.

Weight Each, Lbs.	9	12
Cutters, Inches	9x2¾	9x2¾
Weight Per Case, Lbs.	241	314
Per Dozen	$25.00	30 00

Two Dozen in a Case.

MATTOCKS

LONG CUTTER

No. 10—Adze Eye, Cast Steel, Painted Black, Polished Bits.

Weight Each, Lbs.	5	6
Hoe, Inches	8¼x4	8½x4¼
Cutter, Inches	5¾x3¼	6x3½
Weight Per Case, Lbs.	140	165
Per Dozen	$16.00	17.00

Two Dozen in a Case

SHORT CUTTER

No. 11—Adze Eye, Cast Steel, Painted Black, Polished Bits.

Weight Each, Lbs.	5	5½
Hoe, Inches	8¼x4	8¼x4¼
Cutter, Inches	4¼x3¼	4½x3½
Weight Per Case, Lbs.	140	155
Per Dozen	$16.00	16 50

Two Dozen in a Box.

PICK

No. 12—Adze Eye, Cast Steel, Painted Black, Polished Pick and Cutter.

Weight Each, Lbs.	5	6
Hoe, Inches	8¼x4	8½x4¼
Pick, Inches	8	8½
Weight Per Case, Lbs.	140	165
Per Dozen	$16.00	17 00

Two Dozen in a Case.

RAILROAD PICK EYES

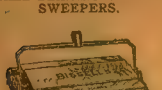
No. 60—Drawn Ready from the Steel.

Wt. Each, Lbs.	4	4½	5	6	7	8
Per Dozen	$9 00	9.00	9.50	10.50	11.50	12.50

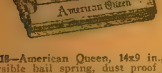
Open Stock.

CARPET SWEEPERS AND BEATERS.

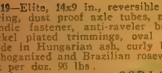
BALL BEARING CARPET SWEEPERS.



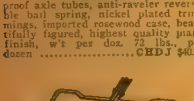
No. 18—American Queen, 14x9 in., reversible ball spring, dust proof axle tubes, nickel plated trimmings, beautifully figured mottled mahogany veneer case, piano finish, hand polished, w't per doz. 72 lbs.,
per dozen .....**CDHJ** $37.00



No. 19—Elite, 14x9 in., reversible ball spring, dust proof axle tubes, metal handle fastener, anti-raveler brush, nickel plated trimmings, oval case, made in Hungarian ash, curly birch mahogonized and Brazilian rosewood, w't per doz. 96 lbs.,
per dozen ....**CGBJ** $39.00



No. 20—Parlor Queen, 14x9 in., dust proof axle tubes, anti-raveler reversible ball spring, nickel plated trimmings, imported rosewood case, beautifully figured, highest quality piano finish, w't per doz. 72 lbs., per
dozen .....**CHDJ** $40.00

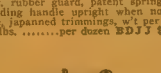


No. 21—Grand, hotel size, 16x10 in., dust proof axle tubes, anti-raveler brush, reversible bail, pressed steel wheels, nickel plated trimmings, quarter - wed oak case, heavy metal fur niture protector, w't per doz. 150 lbs., per dozen ..... **DHJ** $46.00

ONE HALF DOZEN IN A CASE

CARPET SWEEPERS.

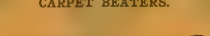
No. 8—Bissell's Standard, 9x14 in., adjustable broom action, patent opening, rubber guard, patent spring for holding handle upright when not in use, japanned trimmings, w't per doz. 72 lbs. .....per dozen **BDJ** $28.00



No. 10—Bissell's Universal, 9x14 in., adjustable broom action, patent opening, rubber guard, patent spring for holding handle upright when not in use, eyes bearing, dust proof axle tubes, anti-raveling collector, japanned trimmings, w't per doz. 72 lbs., per dozen .....**BFDJ** $30.00

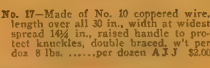
No. 12—Bissell's Universal, 9x14 in., nickel plated trimmings, otherwise same as No. 10, per doz. **BRHJ** $32.00
ONE-HALF DOZEN IN A CASE.

CARPET BEATERS.



Just-Right.

No. 17—Made of No. 10 coppered wire, length over all 30 in., width at widest spread 14½ in., raised handle to protect knuckles, double braced, w't per doz 8 lbs. .....per dozen **AJJ** $2.00

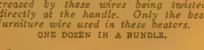


No. 4—Three strands No. 12 galvanized wire, braided, hardwood handle, 1½ in heavy steel ferrule, length 30 in., w't per doz 8 lbs. ..... per dozen **JJJ** $2.50
ONE DOZEN IN A BUNDLE

CARPET BEATERS.

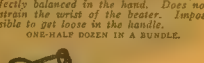
No. 12—Cruso, 12 gauge tinned steel wire, hardwood handle, length 28 in., head 9½x12 in., w't per doz. 6 lbs., per dozen .....**AAJ** $2.00
No. 11—Cruso, 11 gauge tinned steel wire, hardwood handle, length 32 in., head 10x14 in., w't per doz. 7½ lbs., per dozen .....**ABJ** $2.50
No. 10—Cruso, 10 gauge tinned steel wire, hardwood handle, length 35 in., head 10x14 in., w't per doz. 11 lbs., per dozen .....**BAJ** $3.50

This "Cleaner" rug beater has six wires in the beater head and the blow is evenly divided over the large surface. There are only four wires in the handle so it is elastic, while its strength is increased by these wires being twisted directly at the handle. Only the best furniture wire used in these beaters.
ONE DOZEN IN A BUNDLE.

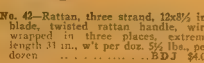


No. 45—3 separate pieces of No. 12 coppered spring steel wire, securely held by strong iron braces, wood handle, length 36 in., w't per doz. 9 lbs., per dozen .....**BGJ** $4.00

An ideal carpet whip. It removes the dust quickly, as it strikes a large surface with its strong wire loops at every stroke, doing no damage to the carpet and so hung in the handle as to be perfectly balanced in the hand. Does not strain the wrist of the beater. Impossible to get loose in the handle.
ONE-HALF DOZEN IN A BUNDLE.



No. 42—Rattan, three strand, 12x8½ in. blade, twisted rattan handle, wire wrapped in three places, extreme length 31 in., w't per doz. 5½ lbs., per dozen .....**BDJ** $4.00
ONE DOZEN IN A BUNDLE



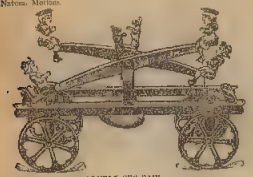
No. 14—Polished spring wire, smoothly woven, length 28 in., hard maple handle, brass ferrule, w't per doz. 4 lbs. .....per dozen **BBJ** $3.30

The reinforcement of rattan running through core and into handle preserves the shape, gives desired flexibility and prevents wires breaking and tearing fabrics.
ONE DOZEN IN A BUNDLE.

CHIME TOYS

MADE IN THE UNITED STATES

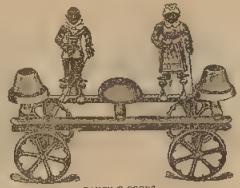
Strongly Made of Steel with Cast Iron Figures, Frame and Figures Lacquered in Beautiful Colors, Figures Attached by Wire to Axle Producing Natural Motions.



DOUBLE SEE SAW

Per Dozen

No. 881—Nickel Plated Wheels and Bell; Red Lacquered Frame; Figures Lacquered in Three Bright Colors; Length 20 inches; Width 8½ inches; Height 6 inches; Weight per Dozen 18 lbs. $9.00



DANCING COONS

Per Dozen

No. 888—Nickel Plated Bells and Wheels, Green Lacquered Frame; Figures Painted in Colors; Length 10½ inches; Width 8½ inches; Height 8 inches; Weight per Dozen 10½ lbs. $9 00

ROCKING COONS

Per Dozen

No. 882—Nickel Plated Wheels and Chimes, Frame Red and Green Lacquered on Three Colors; Figures Lacquered in Three Colors; Length of Frame 10 inches; Width 3½ inches; Height 7 inches; Weight per Dozen 15 lbs. $9.00

LITTLE NEMO AND FLIP

Per Dozen

No. 612—Nickel Plated Wheels and Bells; Frame Green Lacquered, Figures Painted in Five Colors; Length 10 inches; Width 5¾ inches; Height 8 inches; Weight per Dozen 18 lbs. $9 00

Twelfth Dozen in a Carton

PUSH CHIMES

Per Dozen

No. 810—Nickel Plated Wheels and Bells; Steel Frame; Length 6 inches, 35 inch Handle Weight per Dozen 9 lbs. $1 80

Per Dozen

No. 820—Nickeled Bells, Lacquered Finish Car Iron Frame, Aluminum Finished Wheels Length 8 inches Width 2¾ inches, 42 inch Handle. Weight per Dozen 7 lbs. $3 00

Twelfth Dozen in a Carton

Per Dozen

No. 830—Nickel Plated Bells, Steel Frame, Figures Painted in Colors; Length 8½ inches; Width 9 inches; Height 4 inches; Length of Handle 18 inches, Weight per Dozen 9 lbs. $4.50

CHIME TOY ASSORTMENTS

MADE IN THE UNITED STATES

We Do Not Break Assortments

Strongly Made of Steel with Cast Iron Figures; Frame and Figures Lacquered in Bright Colors; Figures Attached by Wire to Axle Producing Natural Motions.

LITTLE NEMO

Nickel Plated Wheels and Bells, Frame and Figure Painted in Bright Colors; Length 7 inches; Height 7 inches; Length of Handle 17 inches.

PLAY CHIME

Horse, Bells and Wheels Nickel Plated Copper-ed Steel Frame; Length 7 inches; Height 6 inches; Length of Handle 18 inches.

FLIP

Nickel Plated Wheels, Bells and Frame, Figure Lacquered in Colors; Length 7 inches; Height 7 inches, Length of Handle 18 inches.

Horse, Bells and Wheels Nickel Plated, Copper-ed Steel Frame; Length 7 inches; Height 6 inches; 18 inch Stained Handle.

Per Dozen Assortments .. $17 50

No. 4C—Consists of One Each of the Above Chimes . . . . . One Assortment in a Carton Weight 3 lbs.

BOY AND GIRL

Nickle Plated Bells and Wheels, Copper Steel Frame, Figures Painted in Bright Colors. Length 7½ inches; Width 3¾ inches; Height 4½ inches.

BUSTER BROWN BELL TOY

Nickel Plated Wheels and Bells Handsomely Painted in Colors, Length 7½ inches, Width 3 inches, Height 5 inches.

ROUGH RIDER

Wheels and Bell Nickel Plated; Frame and Horse Copper-ed, Length 8¾ inches; Width 3 inches; Height 4¾ inches.

Per Dozen Assortments $13.20

No. 9C—Consists of One Each of the Above Chimes . . . . . One Assortment in a Box Weight 14 lbs.

"DIAMOND EDGE IS A QUALITY PLEDGE"

TOY ASSORTMENTS

MADE IN THE UNITED STATES

WE DO NOT BREAK ASSORTMENTS

AUTO FIRE ENGINE — Enameled Jet Black, Gold Decorated, Red Wheels

AUTO HOOK AND LADDER — Enameled Bright Red, Gold Decorated Yellow Wheels

Per Dozen Assortments

No. 139—Two Pieces; Average Length 32 Inches; Weight per Assortment 75 lbs. $3.80

Twelve Pieces in a Box. 24 Dozen in a Case. Weight per Case 220 lbs.

SULKEY — No. Enameled Frame, Black Horse, Gold Decorated.

AUTOMOBILE — Enameled Bright Red with Gold Decorations, Bright Yellow Wheels

COAL CART — Enameled Bright Green with Gold Decorations, Bright Yellow Wheels, Jet Black Mane

Per Dozen Assortments $12.50

No. 208—Three Pieces; Average Length 31½ inches; Weight per Assortment 5 lbs.

Twelve Dozen of Each Piece Shown Above in a Barrel. Dozen in a Case; Weight per Case 125 lbs.

EXPRESS WAGON — Enameled Red Body, Gold Decorated Bright Yellow Wheels, Aluminum Finish Horse and Driver.

LIMOUSINE — Enameled Red, Gold Decorated Yellow Wheels

DRAY — Enameled Bright Red Wheels Aluminum Finished Horse and Driver

No. 1081½—Three Pieces, Average Length 8 inches, Weight per Assortment 3½ lbs. $12 50

Each Dozen of Each Piece Shown Above in a Box, 36 Dozen in a Case, Weight Case 145 lbs.

BARREL TRUCK — Enameled Blue Frame, Red Wheels, Jet Black Horse, Detachable.

DRAY — Enameled Red, Bright Yellow Wheels, Jet Black Horse

ICE WAGON — Yellow Enameled Body, Red Wheels, Black Horse

No. 625—Three Pieces; Average Length 12 inches, Weight per Assortment 6½ lbs. $12 50

Sixth Dozen of Each Piece Shown Above in a Box. Weight per Box 11 lbs.

CARRIAGE — Jet Black, Trimmings, Body and Gear Aluminum Finish, Red Wheels

GOAT CART — Horse and Wagon Enameled Jet Black, Bright Red Wheels

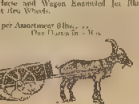
AUTOMOBILE — Enameled Aluminum Finished Body, Bright Red Wheels

Per Dozen Assortments $5 00

No. A—Three Pieces, Average Length 6 inches, Weight per Assortment 6 lbs.

One Dozen in a Box.

PONY CART — Yellow Enameled Body, Aluminum Finished Wheels and Horse.



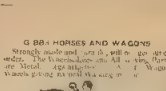
GOAT CART — Green Enameled Body, Aluminum Finished Wheels and Goat.

SULKEY — Aluminum Finished Frame, Jockey and Horse, Bright Red Wheels.

Per Dozen Assortments $5 20

No. B—Three Pieces, Average Length 6 inches, Weight per Assortment 6½ lbs.

One Dozen in a Box



6 BIG HORSES AND WAGONS — Strongly made and each 15 inches long, with [illegible] order. The Horses are Jet Black in color, Harness Metal, Aluminum Finish, and Wagon Wheels painted in bright red running [illegible]

DERBY RIDER PUSH TOY

No. 2811—Wood Horse, Japan Lacquer Finish, Handsome Colors, Length 20 inches, Height 27½ inches, Weight per Dozen 30½ lbs. $4 50

Half Dozen in a Box

RACING BOB — Per Dozen

No. 2811 Wood Horse, Lithographed in Handsome Colors, Cart Bright Red with Aluminum Finish Wheels, Length 32½ inches, Height 25½ inches, Weight per Dozen 67½ lbs. $6 50

Half Dozen in a Box

GRAY BEAUTY PACERS — Per Dozen

No. 2045 [illegible] Lacquer Finish, Length of Cart 30 inches, Bright Wheels, Length 18 inches, Height [illegible] inches, Weight, each 13½ lbs. Weight per Dozen 21 lbs. $9 00

Per Set in a Box

PERFORMING JUMBO

This wonderful performing elephant can be played in a variety of methods, furnishing an endless amount of amusement

[illegible] Toys, well made and inexpensive.

Handsomely ornamented in seven brilliant colors.

Children never tire playing with Performing Jumbo.

Per Dozen

No. 2341—Length [illegible] Height [illegible] above 12½ inches, Weight each [illegible] lbs. Weight per dozen [illegible] lbs. $4 50

Half Dozen in a Box

TOYS

MADE IN THE UNITED STATES

CIRCUS WAGON

An attractive Toy, substantially made of Hardwood with Steel Supports and Iron Wheels. The Woodwork is finished in Bright Red and the Wheels are Aluminum Finish. Two Jet Black Horses and Gold Bronzed Cast Iron Lion.

Per Dozen

No. 56C—Length of Wagon 30½ inches; Width 7 inches; Width 8 inches, Length over all 34 inches; Weight each 4½ lbs. Weight, per dozen 50 lbs. $12 50

Twelve Dozen in a Box

COAL CART

Strong and Durable; Neatly Painted and Finished. Per Dozen

No. 861—Green Finished Sides, Yellow inside, Red Open Spoke Wheels, Steel Handle. Length 30½ inches, Size of Cart 22 inches; Weight per Dozen 45 lbs. $1 50

One Dozen in a Box

STEEL WAGON

Strong and Durable. Neatly Painted and Finished, Red Open Spoke Wheels [illegible] Cast Steel Handle.

Per Dozen

No. 4935—[illegible] Inch Red and Blue Lithographed Body, 6½ inches; Length of Handle 18½ inches, Weight per Dozen 45 lbs. $1 80

One Dozen in a Box

TROLLEY

An Attractive Floor or Sidewalk Toy made of Steel, very Strong and Durable. Finished in Three Attractive Bright Colors, Red, Yellow and Green. An Exact Replica of a Modern Street Car, Equipped with Controller Box, Trolley and Reversible Seats.

Per Dozen

No. 723—Length 18½ inches; Height 7½ inches, Width 5 inches; Weight 8½ lbs. $24 00

One in a Box.

"DIAMOND EDGE IS A QUALITY PLEDGE"

CHAMPAGNE TAPS

Per Dozen

No. 530½ Composition Metal, Highly Nickel Plated and Polished, Screw Shank, Air Tight and Easily Cleaned, with Gimlet.....$....

Per Dozen

No. 1900 Composition Metal, Highly Nickel Plated and Polished Screw Shank, Gas Tight, Easily Cleaned, with Gimlet.....$....

One in a Box.

PERFECTION BOTTLE STOPPERS

Metal, Nickel Plated.

Per Dozen

No. 1—For Quart Bottles.....$. .
No. 2—For Pint Bottles..... . .

Used to stop up the bottle after cork has been removed

BUNG HOLE BORERS

No. 6020—Graduated, Tempered Steel Castings, Polished Blades with Cook's Bit, Hardwood Handle.

Size Nos.	1	2	3
Bores Holes, Inches.	⅝ to 1⅛	1⅛ to 2	1½ to 3
Wt. Per Dozen, Lbs.	13	28	40
Each	$....	..	. .

One in a Package

WATER MOTORS

No. 1492

DIVINE RED DEVIL

Each

No. 1492—4 in. Motor, Furnishes ⅛ Horse Power with 80 Lbs. Water Pressure, Complete with One 4 in. Beveled Face Emery Wheel, One Blue Felt Buffing Wheel for Silver, One Cake Silver Polish, and One Grooved Wood Pulley, Weight Each 5 Lbs. ..... .$....

Intended for household grinding and polishing and running of all kinds of small machines

Each

No. 1992—6 in. Motor, Furnishes ¼ Horse Power with 80 Lbs. Water Pressure, Complete with 2 in. Flat Pulley, Weight Each 7 Lbs. .....$. .

Intended for heavier power purposes than the No. 1492. Unexcelled for operating washing machines

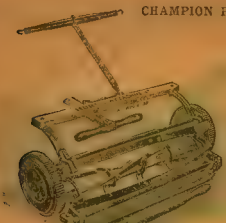
The Divine Red Devil Water Motor is an invaluable hydraulic power plant for moderate power in any house or workshop.

These motors can be connected to any standard threaded faucet in 10 seconds, or easily attached to a smooth faucet by means of the universal coupling

No. 1992.

LAWN MOWERS.

CHAMPION PONY.



30 Inch Cut—10 in. driving wheels, 6¼ in. open cylinder, three tempered steel blades, high speed reel, double drive, positive ratchet, very strong and neatly decorated, w't 100 lbs.....each **AHJJ** $30.00

ONE IN A CASE.

PHILADELPHIA EAGLE.

Open Cylinder, Adjustable Boxes, for Taking Up the Wear of Journals, Bed Knife Adjustable to the Cylinder, Blades are Riveted for the Spiders, with Seat, Shafts, Draft Pole, and Side Draft Attachment.

Nos	130	135	140
Cut	30	35	40
No. of blades	5	5	5
Diameter of Roller, in.	14	14	14
Weight	645	670	710
Each	$100.00★	125.00★	150.00★
	JIJJJ	AABEJ	ACEJJ

ONE IN A CASE.

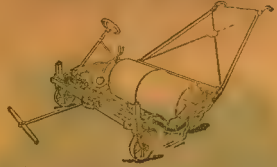
PHILADELPHIA PONY.

Four Blades, Cut 30 Inches Diameter of Roller 11½ Inches, with Draft Rod.

No. 230 Cut, 30 in., closed cylinder, w't 500 lbs.....each ★ JHJJJ $150.00
No. 330 Cut, 30 in., open cylinder, w't 500 lbs.....each ★ JHJJJ 150.00

★ CASE OF ONE ONLY.

PENNSYLVANIA GRAND HORSE.



Crucible Tool Steel Blades, 7½ Inch Open Cylinder, Diameter of Rollers 15 Inches, with Handles and Draft Irons.

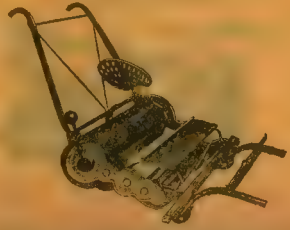
No. 630—Cut 30 in., 4 blades, w't 595 lbs.....each **JHJJJ** $140.00
No. 730—Cut 30 in., 6 blades, w't 665 lbs.....each **JIJJJ** 142.50
No. 638—Cut 38 in., 4 blades, w't 675 lbs.....each **AJDJJ** 130.00
No. 738—Cut 38 in., 6 blades, w't 705 lbs.....each **AADJJ** 142.50

Crucible Tool Steel Blades, 7¼ Inch Open Cylinder, Diameter of Roller 15 Inches, with Seats, Shafts and Handles.

No. 830—30 in. cut, 4 blades, w't 635 lbs.....each **JIFJJ** $130.00
No. 930—30 in. cut, 6 blades, w't 685 lbs.....each **AJFJJ** 132.50
No. 838—38 in. cut, 4 blades, w't 720 lbs.....each **ABIJJ** 130.00
No. 938—38 in. cut, 6 blades, w't 750 lbs.....each **ACJAJ** 142.50

The seat, at the right of the operator, counterbalances the height of cut from ¾ to 2¾ in. The operator, without leaving his seat, can instantly change from low to high cut or an intermediate one.

PHILADELPHIA PONY.



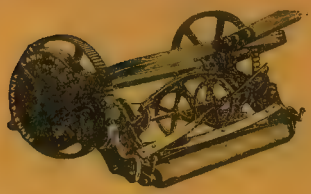
Four Blades, Diameter of Roller 11½ Inches, with Seat, Shafts and Side Draft Attachment.

No. 430—Cut 30 in., closed cylinder, w't 500 lbs.....each JIFJJ $150.00
No. 530—Cut 30 in., open cylinder, w't 500 lbs.....each ★ JIFJJ 150.00

★ CASE OF ONE ONLY.

LAWN MOWERS.

PENNSYLVANIA HIGH WHEEL.



10 Inch Driving Wheels, Four Cast Steel Cutting Blades, 6½ Inch Reel, Hardwood Roller and Handle.

Cut, in.	15	17	19	21
Wt. lbs	75	77	80	85
Each	$25.00	28.00	31.00	34.00
	ABHE	ADDJ	ABIE	AGEJ

ONE IN A CASE.

PENNSYLVANIA PONY OR TWO MAN.

25 in. Cut—Large open cylinder, rear cut, 4 blades, Ears bed plate yielding bed knife, self sharpening shifting clutch for throwing out of gear, brass boxes, long bearings, complete with handle and draft irons, wt 150 lbs, each ..... CDBJ $50.00

ONE IN A CASE.

PHILADELPHIA STYLE "K," HIGH WHEEL.

10 Inch Driving Wheels, Five Blades, Open Cylinder, Hardwood Roller and Handle.

Cut, in.	14	16	18	20
Wt. lbs	65	68	72	75
Each	$22.00	23.00	24.00	26.00
	JFEJ	JGAE	JGHJ	JHDJ

ONE IN A CASE.

PENNSYLVANIA JUNIOR BALL BEARING.

10 Inch Driving Wheels, Five Tempered Crucible Steel Blades, Self-Sharpening Dead Knife, Ball Bearing, Cylinder Journals, 6 Inch Cylinder, Train of Gears Each Side, Hardwood Roller and Handle.

Cut, in.	15	17	19	21
Wt. lbs	71	74	77	80
Each	$28.00	29.00	31.00	33.00
	ACHJ	AEEJ	AGAE	AHHE

ONE IN A CASE.

SPUR STRAPS, LARIATS, CHAPAREJOS, ETC.

SPUR STRAPS.

No. 10—Black leather, designed for all styles of slotted heel spurs, per dozen pairs .....**JHJ** $1.40

No. 16. No. 18.

No. 16—Eureka, black leather, for our Nos. 693 and 3 spurs, per dozen pairs .....**BAE** $3.20

No. 18—O. K., black leather, for our Nos. 585, 685, 1176½ and 1178 spurs, per dozen pairs .....**BAE** $3.20

No. 20. No. 22.

No. 20—Russet leather, stamped, designed for all styles one button spurs, without chains, per dozen pairs .....**BFE** $4.80

No. 22—Russet leather, stamped, designed for all styles one button spurs, with chains, per dozen pairs .....**DBE** $7.70

No. 24. No. 25.

No. 24—Russet leather, stamped, designed for all styles one button spurs, with chains, per dozen pairs .....**DDJ** $8.00

No. 25—Russet leather, plain stamped rosettes, designed for all styles one button spurs, with chains, per dozen pairs .....**DDJ** $8.00

No. 26. No. 27.

No. 26—Russet leather, embossed, with stamped rosette, designed for all styles of one button spurs, with chains, per dozen pairs **JEEJ** $10.00

No. 27—Russet leather, hand stamped, designed for all styles of one button spurs, with chains, per dozen pairs .....**JEEJ** $10.00

FOR SPURS SEE PAGES 1337 *AND* 1338.

SPUR STRAPS.

No. 28. No. 30.

No. 28—Russet leather, stamped, with cinchas, designed for all styles of one button spurs, with chains, per dozen pairs .....**JFDJ** $11.60

No. 30—Russet leather, embossed, with cinchas, designed for all styles one button spurs, with chains, per dozen pairs .....**JFIJ** $12.50

No. 23—Russet leather, embossed, designed for all styles of one button spurs, with chains, per dozen pairs .....**CHE** $7.00

FOR SPURS SEE PAGES 1337 *AND* 1338.

SADDLE STRINGS.

No. 830—½ in. latigo leather, 6 ft. long, per dozen .....**BAJ** $3.00

LARIATS.

BLACK JACK, ⅛ Inch Diameter, Four Cord, Brass Egg Shaped Honda.

No. 35—35 ft. long, plain, w't per doz. 30 lbs. .....per dozen **AAAJ** $16.50
No. 40—40 ft. long, plain, w't per doz. 35 lbs. .....per dozen **ABEE** $18.00

Black Jack lariat rope is made from the finest grade of selected manila fibre, which is laid up and treated very hard, especial care being given to the finish that will make it run smoothly through the brass honda, which is placed in on one end. The other end of the rope has a Matthew Walker knot and 8 in. tassel

ONE DOZEN IN A PAIR

CHAPAREJOS.

No. 9.

No. 10—Soft boarded chaparejos leather, flesh side out, 4 in. flaps, snap and ring fastenings, per pair★ .....**JIFE** $17.50

No. 9—Tan color glove leather, waterproof, wide laced and fringed legs, per pair★ .....**AARE** $21.00

No. 11—Genuine bronze color Angora fronts, canvas lined, stout tan color backs, basket stamped belt, per pair★ .....**ABIE** $29.00

If by ordering give waist and inside leg measures.

★*FOR FACTORY SHIPMENT ONLY*

LEATHER WESTERN GOODS

CUFFS COLLARS AND WRIST BANDS

These are the regulation "cow punchers" patterns, made of heavy saddle sewed leather of a much better quality than usually supplied.

No. C5

No. C1

No. W1

No. N1

No. **C5.** Cuffs, 6½ inches high, half laced and snap-button fastening.....**$1.10**
No. **C1.** Cuffs, 7½ inches high, finely embossed, snap fastenings..... **1.25**
No. **W1.** Wrist Band, heavy leather embossed with buckle..... **.75**
No. **N1.** Leather Collar, turned down style, plain..... **.50**

QUIRTS

This is the generally accepted riding whip in use throughout the West and South. All are shot loaded at handle and fitted with thong loop for suspension to wrist or saddle horn. Quality considered our quirts are very reasonably priced.

No. **90.** Texas style, oiled tanned leather, buck stitched with two frills....**$ .75**
No. **101.** 8 plait, latigo leather with two buttons..... **1.00**
No. **105.** 12 plait, checkered handle, three buttons and two frills..... **1.25**
No. **100.** 16 plait, extra quality French calfskin, four buttons and two frills. **2.00**

CHAPAREJOS

Extensively used as a leg protection when riding in brushy country or in stormy weather. No westerner's riding costume is complete without a pair.

No. **2.** Waterproof Pantasote duck, leather faced at bottom with fringe at sides, leather belt.....**$8.00**
No. **1.** Oiled leather, facing at bottom, laced with thongs with fringe and pockets.....**12.00**
No. **4.** Oiled California "Chap" leather and black angora fur. Leather pockets and belt.....**19.00**
No. **5.** As above but with pure white angora fur.....**25.00**

BANDANNA NECKERCHIEFS

No. **B1.** Cotton, red base, figured, 28x28 inches..... **.10**
No. **B3.** Silk, red and mixed plaids, 30x30 inches..... **2.00**

WRIST WATCH STRAPS

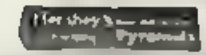
The straps are made to take the No. M watch described on page 240, but will fit any watch of the same size. They buckle securely around the wrist and it is a handy and convenient way of carrying a watch. Popular with hunters, sportsmen, automobile drivers or aviators. Especially valuable in cold weather when the watch is underneath heavy outer garments.

No. **C.** Black grain leather.....**$ .75** No. **P.** Pigskin.....**$1.00**

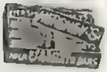
Delivery Prepaid in U. S. if Cash is Sent With Order at Above Prices

PACKAGE CANDIES, FIGS, NOVELTIES, ETC.

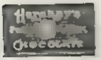
HERSHEY'S MILK CHOCOLATES



Y16... 39c



Almond Bars—Wrapped and sealed
Y1649—5c size. 2doz. in box ... Doz. 39c
Y720—10c size. 1 doz. in box ... Doz. 78c



...sealed ... 39c
Y1648—10c size, 1 doz. in box ... Doz. 78c

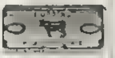
Y15... good size pkg., transparent front. 1 doz. carton Doz. 78c

Y1584—Kisses. Cone shape, foil wrapped. Sell 2 for 1c or by weight 2½ lbs. in box...BOX, 30c

5c PKG. JULEP MINTS.

Y496—Peppermint candy ... 18 in litho tin box. 20 boxes in display ... 79c

BORDEN'S MILK CHOCOLATE



Milk Chocolate
Y1643—5c pkg. 2 doz. pkgs. in carton Doz. 37c
Y1644—10c pkg. 1 doz pkgs. in carton. Doz. 74c

Y1645—Almond Bar. Sweet milk chocolate, whole almonds each bar ... 37c

GREENFIELD'S CHOCOLATE SPONGE BAR

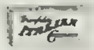
Large size high grade ...

Y16... chocolate coating. Each in box waxed paper ... Doz. 38c

GREENFIELD'S "DELATOUR" CHOCOLATES

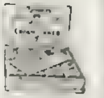
Y1500—Asstd. 5c Pkg. 6 kinds, chocolate cream drops, vanilla marshmallows, butterscotch, asstd chocolates. 2doz. in carton ....Doz. 38c

Y1148—10c Chocolate Cherries. In syrup 1 doz. in carton. Doz. 78c



Y1147—Asstd. 10c Pkgs 12 kinds. Italian chocolates, maple walnuts, etc. 1 doz. in carton. ... Doz. 78c

LOWNEY'S 5c CHOCOLATE.



Y1... Cream Cake ... 39c

Y1588 Nut Milk Chocolate. Large bar, chopped nuts. 2 doz. in box. ... Doz. 39c

5 AND 10c PKG. CHOCOLATES.

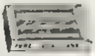
Y1182—Headley's 10c Mallnees, 11 pieces in paper cup, 3x9 in., 1 layer box with asstd. ... 79c

Y1183 Headley's 10c ... and fruit centers, each piece in paper cup, 1 layer white and gold box 1 doz. in carton. Doz. 79c
Y1184—Headley's 10c Opera. 12 pcs. fancy dipped asstd. chocolates. 2 layer white and gold box 8¼x2½x1¾. 1 doz. in carton. ... Doz. 79c

"SEN-SEN."

Y3616 ... perfume. In transparent front display box. 40 pkgs. in box .. Box 85c

5c PACKAGE STICK CANDIES



Y1... Stick Candy. Pure sugar, 5 in sanitary display pkg. 2doz. pkgs. in carton.... Doz. 39c

Y47—Home Made stick. Pure sugar, asstd. fruit ... $1.85

10c GLASS JAR CANDIES.

Y1700 Y1700
Y1705 Stick Candy ... screw top ... doz. in carton. Doz. 79c
Y1706 Spiced Satin ... fruit colors ... carton ... 79c

PINEAPPLE CANDY FIGS.

Tasty combination of Santa Clara figs and Hawaiian ... Ex...

Y81 1 lb. box, crystallized Santa Clara fig shapes, filled with and chopped Hawaiian pineapple, glazed wrapped. Eat ... want they will do you good. ½ doz. boxes in carton. ... Doz. boxes, $1.75

10c MARSHMALLOWS.

Y1591 "Angeles" Vanilla flavor, wholesome and delicious moisture proof pkg. 1 doz. pkgs. in carton. Doz. 78c

Y1567 Marsh... 84c

SUGAR WAFERS IN 5c PACKAGES

Y1447—Thin transparent ... 52c

Y1583 "Surprise ... ¼ lb. ro... paper wrapped. Redeem... 55c

Y1478—"Sugar Moons." Crisp pure sugar discs in asstd. fruit flavors ¼ pound net in box, with transparent wrapper ... package. 20 in carton. CARTON of 20... 65c

5c Y & S STICK LICORICE.

Y1225—Pure, made in Italy. Sell 5c each. 30 in box. BOX of 30. $1.15

NEW "PRIZE" CHU-CHU PACKAGE.

Y935—... new molasses flavored ... freight car package with prizes for boys' ... grown ups. 2 ... 40c

10c CANDY NOVELTIES.

Y450 Y235
Y450 Telephone ... 62c
Y235 Railroad Signal Lantern ... label metal top and bottom. 2½ in tall. 2 doz. in box.... Doz. 89c

Y246—Asst. 4 styles, equally asstd., filled with asstd ... automobile, fire engine ... battleship 13x15x4, glass ... red port holes, ... smokestack, wood mast with flag. ... 3 doz. in case, 30 ... Doz. 87c

Y339—18 styles, aver. 3x3¾x2¾. bright litho on metal, perfect in every detail, asstd. cottages, ... theatre, fire department, police station, stores, etc. crystal glass base ... 87c

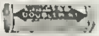
CHEWING GUMS

STANDARD CHEWING GUMS

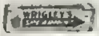
Y8605 Adam's Pepsin. ... in box....Box, 53c

Y8617—Beeman's Pepsin. 5 sticks in pkg. 20 pkgs. in box, 5 boxes in ... 53c

Y8607 ... 53c



"Doublemint" ... wrapped in package. United Profit Sharing Coupon with each pkg. 20 pkgs. in box ...Box. 62c



Y86... Wrigley's ... kg. New style double wrapped ... 62c

Y8673—"Beechnut." Mint flavor, each stick foil wrapped. 5 banded ... in box Box, 62c

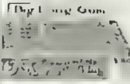
"PALL MALL" CHEWING GUM.

Y8654—Sugar coated mint flavored pellets. 10 in box, 20 boxes in carton. CARTON OF 20. 82c

"CHICLETS."

Y8644 ... at 5c, 1 litho bird card in gold and colors with each, children save them. 40 pkgs. in box ... $1.35
5 boxes in carton, Box, $1 ...
Y8655—No. 5. Dainty mint covered candy coated chewing gum. Sell 5c ea. or 2 or 3 for 1c. 3 lbs. in box Box $1.35
5 boxes in carton, Box, $1.32

PENNY CHEWING GUM.



Y8608—"Big Long ... Box, 59c
Y8611 ... Box, 62c

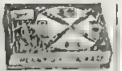
"SIX-STIX" SPEARMINT GUM.

With Special Silk Flag Offer.

Temporary offer to further advertise this already well known gum. Twenty 3x4 in. pure silk flags, all nations assorted ... in each box. A flag with each package of "Six-Stix"

Y8667—6 full size sticks of high grade gum instead of the usual 5 to retail at 5c. In new style hinge cover box. 20 flags and 20 pkgs. gum in box. Box, 50c

PREMIUM GUM ASSORTMENT.



Y8... fine gum, 100 gift ... jack stones, finger ..., etc. 1c purchase entitles buyer to coupon and gift. The one return...
Complete in box. Box 62c
Y8657—Your choice ... A piece of highly ... and coated ... for 1 cent. ... $1.05

"BOBS" THE NEW CHICLE CONFECTION.

"Spring Root" Gum Free With "Bobs."

Note: ... we will include with each box of "Bobs"—either Y8602 or Y8603, 1 carton of ...'s new "Spring Root" Chewing Gum ... and banded 20 pkgs. in ...

Bobs ... ling gum, candy coated.
Y8602—3 lbs. or 525 beans in glass top display cabinet with spoon and paper bags. Retail 5c oz or 3 for 1c. Cabinet, $1.25
Y8603—5c pkg. 10 in litho pkg. 40 pkgs. in display cabinet. Cabinet, $1.25

COUGH DROPS.

Y1603 "Smith Bros." The genuine. Needs no introduction. 40 boxes in carton ... Carton, $1.15
Y1626—Luden's Menthol, well known advertised goods. 40 boxes in carton. Carton $1.15

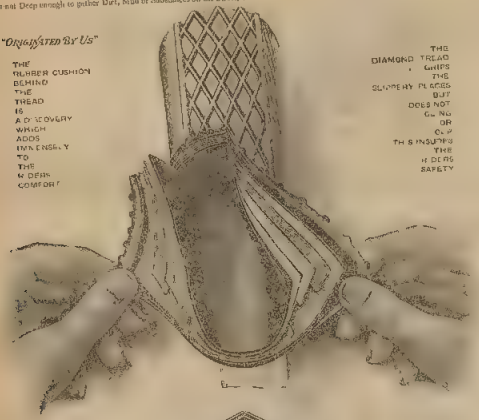
BICYCLE TIRES
SINGLE TUBE

The Dissection of a Rugby Diamond Tread Tire Reveals the One Secret of its Superiority—GOODNESS.
Cuts and Dogs enough to gather Dirt, Mud or Substances on the Street, but not Constructed Properly to make it a perfect Non-Skid Tire.

"ORIGINATED BY US"

THE RUBBER CUSHION BEHIND THE TREAD IS A DISCOVERY WHICH ADDS IMMENSELY TO THE EASE AND COMFORT

THE DIAMOND TREAD GRIPS THE SLIPPERY PLACES BUT DOES NOT CLING OR CLOG THE SPOKES THUS INSURING THE HIGHEST SAFETY



RUGBY

DIAMOND TREAD TIRES

Provided with Cotton Flannel Rim Strip which is inserted into the Rubber, this Strip will positively prevent Tires from creeping and protect the inner tubes against Accidents caused by Tires pulling off in Ruts, etc. This Strip prevents Rim Cuts and Wear.

***RUGBY—DIAMOND TREAD**

Has a Thick on the Tread. Patent Non-Skidding Diamond Cap Tread of our own design, Tread

Cover—Made of Pure Upper River Para Gum [illegible] Rubber is a Solid Cushion.
Tube—Best Quality Pure Upper River Para Gum Tube, [illegible] Thick on Walls, Extra Heavy Reinforcing Strip on Rim side.
Fabric—Compound Four Ply consisting of the best Sea Island Fabric and Friction Cloth, [illegible] Fabric.
Friction—The very best obtainable Friction is used, so strong that it is impossible to separate or ravel [illegible] Fabric. It is practically indestructible, being Sealed In a Solid Base of pure Para Gum.
Valve—Valve construction is the best used on any Tire. This is the same construction that has been used on Bulky Tires for many years.
Cement—Made of Heavy Liquid Cement and carefully Vulcanized in the Base of the Tire.
Quality—The very Highest Grade [illegible] obtainable to manufacture. Every Hard to Find [illegible] Tire Easy to Repair
Guarantee—Full Season. See Page [illegible]

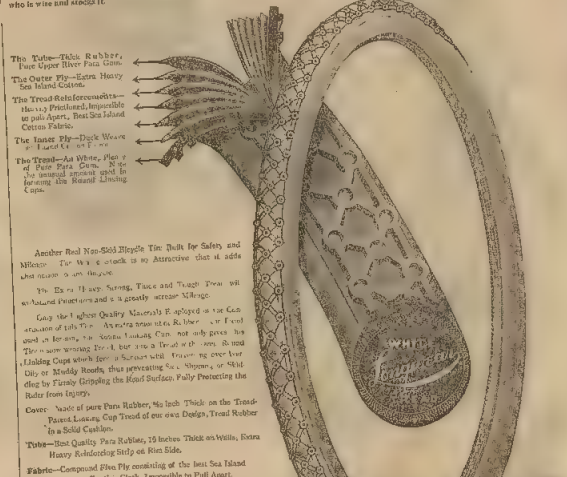
	Per Pair
No. 884—28x2½ inches. Weight per pair 2½ lbs.	$12.00
No. 885—28x2¼ inches. Weight per Pair 6 lbs.	10.00

Three-Tube Pairs not made
Prices do not include Pumps or Kits

BICYCLE TIRES
SINGLE TUBE

"ORIGINATED BY US"

The Beauty and the unusually LONG WEARING quality of this Tire makes it the source of much profit and pleasure to the dealer who is wise and sells it.


The Tube—Thick Rubber, Pure Upper River Para Gum.
The Outer Ply—Extra Heavy Sea Island Cotton.
The Tread Reinforcements—Heavy Pricktard, impossible to pull Apart, Best Sea Island Cotton Fabric.
The Inner Ply—Duck Weave of Sea Island Cotton Fabric.
The Tread—An White, Pliable of Pure Para Gum. Nothing unusual about this in forming the Beautiful Looking Cups.
WHITE Longwear

Another Real Non-Skid Bicycle Tire Built for Safety and Mileage. The White stock is so Attractive that it adds that classy appearance.

The Extra Heavy Strong, Tough and Tough Tread will withstand Punctures and is greatly increase Mileage.

Only the Highest Quality Materials Employed in the Construction of this Tire. A extra amount of Rubber is used in forming the Beautiful Looking Cups, not only gives this Tire more wearing Power, but also a Tread which does not Holding Cups which form a Suction with Tread to over Wet Oily or Muddy Roads, thus preventing Side Slipping or Skidding by Firmly Gripping the Road Surface, Fully Protecting the Rider from Injury.

Cover—Made of pure Para Rubber, ⅜ inch Thick on the Tread. Patent Looking Cup Tread of our own Design, Tread Rubber is a Solid Cushion.
Tube—Best Quality Para Rubber, 1⅛ inches Thick on Walls, Extra Heavy Reinforcing Strip on Rim Side.
Fabric—Compound Five Ply consisting of the best Sea Island Fabric and Friction Cloth. Impossible to Pull Apart.
Friction—The very best Obtainable Friction is used, so Strong that it is Impossible to Separate the Different Plies of Fabric.
Valve—Valve Construction is the Best used on any Tire. It is practically indestructible, being Sealed In a Solid Base of pure Para Gum.
Quality—The very Best that is possible to Produce for the Price.
Guarantee—Full Season. See Page [illegible]

	Per Pair
No. 8215—28x2¼ inches. Weight per Pair 5½ lbs.	$3 00
No. 8216—28x2¼ inches. Weight per Pair 6 lbs.	3 00

Twenty-five Pairs in a Crate

"DIAMOND EDGE IS A QUALITY PLEDGE"

*BICYCLE NAME PLATES

These Plates are made from the Best Grade Material and the Highest Class of Alloy. The Plating and Finishing are Unexcelled for the reason that our Appliances and Workmanship are set to the highest possible Standard of Excellence, Uniformity and Neatness.

FINISHES—Gold Plated, Silver Plated, Oxidized Silver, Bronzed and Shaded.

Style M

One of the latest Designs very Neat and Attractive, looks well on any Bicycle.

Style L

Another New and Attractive Design especially Attractive on a Short Head Machine.

Style E

A very Small Model especially Attractive on a Short Lined Bicycle.

Style N

A very Artistically Modeled Plate. One of our most Exclusive Patterns.

Style J

Another New and Attractive Design that will look well on any Bicycle.

Style B

A very Artistic Plate with a beautiful Border of Modeled Openwork Design.

Style A

Another Neat and Attractive Plate with Modeled Border and Raised Letters.

Style G

A very Neat and Simple Design especially Intended for Machines with a Long Head.

25 Plates	$16.00
50 Plates	26.00
100 Plates	50.00
200 Plates	48.00
300 Plates	60.00

Weight per 100 about 3½ lbs.

100 Plates	EXTRA FOR TWO-COLOR PLATING $5.00
100 Plates	EXTRA FOR ENAMELED NAME $10.00

SCREWS

No. 2—56 Thread	$2.00 Per 100
No. 6—40 Thread	32 TAPS 1.50 Each
No 71	50.00
No D1	DRILLS 50.00 Each

Loose.

Items Marked * Not Carried in Stock Can Only Be Obtained By Shipping Direct From Factory

BICYCLE STANDS

BICYCLE HOOK STANDS

With these Hooks every Bicycle is held firmly in place and cannot be thrown over or against each other. Any Machine can be removed or replaced without injury to the others; 12 Bicycles may be kept in a space of 12 feet.

Per Dozen

No. H6—Made of No. 8 Gauge Steel Wire; End of Hook Covered with light Rubber Wooden Block and Screw with each Hook; Weight per Dozen 3½ lbs. $4 80

One Dozen in a Box

Full Directions for putting up Stands with each Box

Galvanized Steel Sidewalk Racks. Floor Space Required, 20 x 22 inches; Blank Space for Dealers' Sign, 7½ x 24 Inches. Accommodates Eleven Wheels.

Each

No. 30—Weight Each 10 lbs. $0.90

Loose

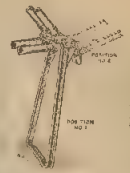
MYERS

Galvanized Steel Stands, Thoroughly Well Made from Stock 5-16 Inch Thick and 1½ Inch Wide, Adjustable by Means of Notched Bar, Reaching from One Frame to the Opposite One, from 12 to 15 Inches. Stands 16 Inches High, Measurement at Top 4½ Inches, at Bottom 12 Inches; can be Used with any Size or Style of Bicycle.

Per Dozen

No. 11—Weight Each 7 lbs. . . . $15 00

Loose



Position No. 1—Stand as at Right. May be Locked when in.

Position No. 2—Stand as at Left. May be Locked when Turned to or Out of Use.

C. MAX

The Construction of the Stand is such that a Bicycle can be placed without any trouble, by a mere child, and when so placed is in a self-supporting position so that it cannot be thrown over by the wind or by swinging on Rear Wheel. The Stand is made of high grade steel tubing of great strength and durability, and is finished in the most elegant possible manner. Rear Wheel is supported by Rubber Tire which can be changed when worn out without removing the Stand. Stand is adjustable to the various Sizes of Cycles Braces are so arranged that the threads on adjusting rod do not come in contact with the ground.

Each

No. 16—Made of Drop Forged Channel Steel, Black Japanned Height 15 inches; Width of Bottom 8 inches; Complete with Bolts and Nuts; Weight Each 12½ lbs. $0 60

Per Dozen

Lots of 1 Dozen $7 20

Loose

The very latest Improvement in Bicycle Stands. This Stand can be Fitted to any Bicycle with Mud Guards, Furnished with a Latch that can be easily Fastened to Mud Guard, can be Raised or Lowered with Foot and Locks Automatically also can be Locked with a Padlock when not in use.

RUGBY

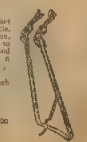
Each

No. 15—Made of Drop Forged Channel Steel Black Japanned, Height 16½ in. Width at Bottom 10 in. Complete with Bolts and Nuts, Weight each 6 lbs $1 50

Loose

WALD

The Latest and Best Stand ever put on the Market at such a Price, very Quickly Attached to any Bicycle. Holds the Bicycle Firm and Solid in the Position. Furnished with a Latch that can be easily Fastened to Mud Guard, can be Raised or Lowered with Foot and Locks Automatically. Also can be Locked with a Padlock as shown in Cut of the Bicycle . . . . .



Each

No. 14—Made of Channel Steel, except Upper Parts which are of Steel . . . . .

Black Japanned . . . . . Height of Legs . . . . .

Base Rubber . . . . . Complete . . . . .

Heaviest Size . . . . . Weight each 12½ lbs $1 00

Loose

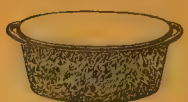
"DIAMOND EDGE IS A QUALITY PLEDGE"

CHRYSOLITE ENAMELED WARE.

SILVER MEDAL AND DIPLOMA, WORLD'S FAIR, PARIS, 1900. Entire page DJ %

Three Coats of Enamel, Outside Green with White Vein Markings, Inside White, Edge Deep Blue.

FOOT TUBS.



17½x14x7 in., seamless, hollow handles, w't per doz. 52 lbs., per dozen $20.00
ONE DOZEN IN A BOX.

WALL SOAP DISHES.

No. 60—6½x4x1 in., w't per doz. 15 lbs., per dozen $4.00
TWELVE DOZEN IN A CASE.

SEAMLESS WATER PITCHERS.

Nos.	20	30	40
Quarts listed capacity	2	3	4
Sizes, in.	5½x7¾	5⅞x8¾	6½x8⅞
W't. doz., lbs.	12	15	18
Per dozen	$11.00	13 00	15.00

TWO DOZEN IN A CASE.

BOWLS AND PITCHERS.

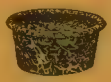
No. 17—Seamless pitcher 6¾x10¾ in., capacity 4 qt., bowl diameter 13¾ in., w't per doz. sets 40 lbs., per dozen sets..... $24.00
PITCHERS, ONE DOZEN; BOWLS, THREE DOZEN IN A CASE.

CHURNS.

No. 18—Height 18¾ in., diam. at top 9 in., diam. at center 10½ in., capacity 5½ gal., wood lid and regulation dasher, extra enameled cover which can be put on when not used as a churn, w't per doz. 108 lbs., per dozen $44.00

A safe and sanitary vessel for flour, sugar, bread, lard and many other uses.
ONE IN A CRATE.

SPITTOONS.



Removable Top.

No. 20—6½x4¼ in., w't per doz. 20 lbs., per dozen $10.00

No. 30—11x5¾ in., w't per doz. 36 lbs., per dozen $14.00
SIX DOZEN IN A CASE

CUSPIDORS.

No. 4—7½x4¼ in., w't per doz. 12 lbs., per dozen $10.00

No. 5—8¼x5 in., w't per doz. 16 lbs., per dozen $11.00
THREE DOZEN IN A CASE.

SEAMLESS COMBINETS.

No. 2—10½x8¾ in., enameled cover, tinned bail, enameled wood grip, w't per doz. 51 lbs.....per dozen $20.00
ONE-HALF DOZEN IN A CASE.

CHAMBERS.

No. 1—7½x4½ in., w't per doz. 15 lbs., per dozen $7.50

No. 1½—9x5 in., w't per doz. 18 lbs., per doz n $9.00

No. 2—10x5¾ in., w't per doz. 24 lbs., per dozen $11.50

NOS. 1 AND 1½, TWO DOZEN; NO. 2, ONE DOZEN IN A CASE.

CHAMBER COVERS.

Spun Knob.

No. 01—For No. 1 chambers, w't per doz. 6 lbs.....per dozen $3.00

No. 01½—For No. 1½ chambers, w't per doz. 9½ lbs.....per dozen $3.50

No. 02—For No. 2 chambers, w't per doz. 11 lbs .....per dozen $4.50

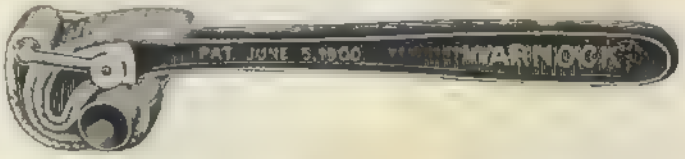
SIX DOZEN IN A CASE.

PIPE WRENCHES

COCHRAN

Size	6 in.	8 in.	10 in.	14 in.	18 in.	24 in.	36 in.
Taking From	⅛ in. Wire to ½ in. Pipe	⅛ in. Wire to ¾ in. Pipe	⅛ in. Wire to 1 in. Pipe	¼ in. Pipe to 1¼ in. Pipe	¼ in. Pipe to 2 in. Pipe	¼ in. Pipe to 2½ in. Pipe	½ in. Pipe to 3½ in. Pipe
Weight of wrench, pounds	½	¾	1½	3	5	7½	16
Wrench complete, each	$2.00	2.00	2.25	3.00	4.00	6.00	12.00
Movable hook jaw, each	.67	.67	.75	1.00	1.33	2.00	4.00
Inserted jaw with pin, each	.25	.25	.33	.50	.55	.65	1.00
Rocker, each	.26	.26	.28	.40	.50	.65	1.30
Knurled nut, each	.20	.20	.28	.35	.42	.55	.65
Spring, each	.12	.12	.14	.17	.21	.25	.40

WARNOCK STRAP WRENCH



Linen Strap, Steel Handle, For Use on Brass Pipe and Other Polished Surfaces

Length, inches	12	18
Weight each, pounds	..	..
Wrenches, each	$1 50	2.50
Extra straps, each	.25	.50

VULCAN BIJAW

These Wrenches combine the merits of all other chain pipe wrenches as well as special advantages of their own. Wholly made from drop forged and otherwise wrought steel they are fully guaranteed and recommended as the most efficient and serviceable chain pipe wrenches made.

The double ended reversible jaws which may be quickly changed end for end as teeth first in use wear, greatly extend the life of the wrench and assure the service of "two tools at the price of one."

The fastening of jaws to handle with two unusually tough steel studs makes repairs possible in emergencies, insures uninterrupted service of tool and prevents the jaws from spreading. One stud will withstand full working strength of tool, when necessary.

In the "straight cut" teeth there is thorough distribution of gripping pressure; the tearing of pipe and one spot wear of teeth will therefore be wholly prevented.

The chains, actually proof tested to two thirds of their breaking strain, are hand made from steel manufactured expressly for them; they swing from the center and can be used on either side of the jaws, thus reducing to the minimum the wear upon specific teeth.

The handle design provides for the maximum of strength in the minimum of weight.

Proof Testing. To insure proper service, each flat link chain is "proof tested" in a standard tesing machine up to two thirds of the breaking strain stated in table. Each chain so tested, is stamped on the drop forged swinging link, thus absolutely establishing the safety factor and reliability of every wrench.

Nos.	30	31	32	33	33½	34	35
Capacity, size pipe, inches	⅛ to ¼	⅛ to 1½	¼ to 2½	¾ to 4	1 to 6	1½ to 8	2 to 12
Extreme length, inches	13½	20	27	37	44	50½	64½
Weight, pounds	1¾	5¾	10	16	24	31	50
Link chain breaking strain, pounds	3 000	6 700	9 800	12 500	14 300	15 700	21,600
Price, complete wrench, each	2 50	3 50	5 00	7 00	9 00	11 00	18 00
Extra chain, each	.75	1.00	1.50	2.50	3.25	4.00	6.00
*Extra jaws, per pair	1.00	1.57	2.75	4.00	4.75	5.50	7.50

*Not carried in stock; can be shipped promptly from factory

PIPE CUTTERS

BARNES' THREE WHEEL

Nos. 1 and 2

Nos. 3 to 7

Especially suited to use in that class of close work where it is impossible to revolve the cutter entirely around the pipe. Interchangeable with all other standard makes of this type. The cutter wheels and pins are made from the best grade of crucible steel carefully machined and oil hardened, frame and all parts strong and well proportioned.

Number	Cuts Pipe, Inches	Weight Pounds	Each	Per Dozen			Each	
				Wheels	Pins	Rods	Blocks and Wheels	Handle and Screw
1B	⅛ to 1	3	$ 4.50	3.00	1.00	1.75	.75	1.00
2B	⅛ to 2	4½	6 00	3.60	1.00	2.60	1.00	1.25
3B	1½ to 3	8	10.00	4.80	1.00	4.55	2.00	2.25
4B	2½ to 4	12½	20.00	6.00	2.00	9.50	4.50	4.50
5B	4 to 6	19½	30.00	9.00	2.00	13.75	7.00	7.00
*6B	6 to 8	24	40 00	9 00	2 00	20 00	8 50	9 25
*6½B	8 to 10	35	45 00	9.00	2.00	23 00	9.50	10.25
*7B	9 to 12	51	50 00	9.00	2.00	25 00	11.25	11.50

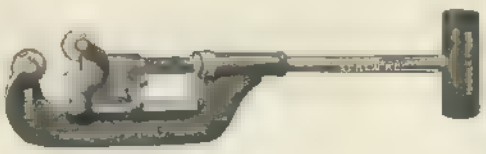
SAUNDER'S ROLLER PIPE CUTTER

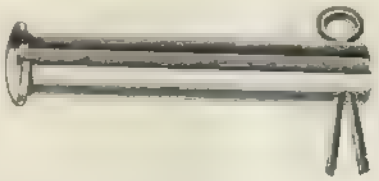
Suitable only for work where the cutter can be revolved entirely around the pipe. Cuts without leaving a burr on the outside. Interchangeable with all other standard makes of this type. Hardened tool steel facing in the block at the point where the screw bears on it.

Ample size in all cross sections.

Number	Cuts Pipe, Inches	Weight Pounds	Each	Per Dozen			Each	
				Wheels	Rollers	Pins	Blocks and Wheels	Handle and Screw
1S	⅛ to 1	3	$ 3.00	2.88	2.88	1.20	1.25	1 00
2S	1 to 2	6¼	4.50	3 84	3 84	1.20	1.75	1 25
3S	2 to 3	11¾	11.00	7.20	6 00	1.80	2.75	1 75
4S	2½ to 4	15	18.00	7.20	6 00	1.80	3.50	3 50
5S	4 to 6	23	28 00	7.20	7 20	1.80	4.00	5 00

TRIMO PIPE CUTTERS





Nos.	1	2	3	1	2	3
	Prices			Weights		
Cuts pipe, inches..	⅛ to 1¼	¼ to 2	1¼ to 3			
Length, inches	15¾	17	19			
Each	$4 50	00	10 00	5¼ lbs	6 lbs	8 lbs
Extra nuts	.35	35	40	2 ozs	2 ozs	2 ozs
Extra wheels	.30	30	40	3 ozs	3¼ ozs	1 lb 2 ozs
Extra rolls	.30	30	40	3 ozs	3½ ozs	5 ozs
Extra pins with cotter pins.	1.00	1 00	1 00	¾ ozs.	¾ ozs	⅞ ozs
Extra anti-friction washers.	.60	60	60	¼ ozs	¼ ozs	½ ozs
Extra fork block carrier	.10	.10	.10	¼ ozs	¼ ozs	¼ ozs
Extra block	1 25	1 25	1 75	1 lbs	1 lbs	1¾ lbs
Extra frame	2 00	2 25	2 50	1¾ lbs	2¼ lbs	3¾ lbs
Extra handle screw.	1 00	1 25	2 00	1⅛ lbs	1⅛ lbs	1½ lbs.
Extra handle	35	.35	35	10 ozs	10 ozs	10 ozs

*Not carried in stock; can be shipped promptly from factory.

WRENCHES

COES GENUINE "KNIFE HANDLE"

Length, inches	6	8	10	12	15	18	21
Will open, inches	⅞	1¼	1½	2⅛	2⅝	3	4⅛
Weight per dozen, pounds	9	16	25	38	55	80	108
Per dozen	$9.00	10.00	12.00	14.00	24.00	30.00	36.00

COES STEEL HANDLE

Length, inches	6	8	10	12	15	18	21
Will open, inches	⅞	1¼	1¾	2⅛	2⅝	3	4⅛
Weight per dozen, pounds	9	16	26	43	62	89	121
Per dozen	$9.00	10.00	12.00	14.00	24.00	30.00	36.00

6 to 12 in one half dozen; others one third dozen in a package

AGRICULTURAL

Length, inches	6	8	10	12	15
Opens, inches	⅞	1⅛	1⅜	1⅞	2⅛
Weight per dozen, pounds	9	15	20	28	40
Per dozen	$10.00	12.00	14.00	17.00	24.00

INTERMEDIATE

Length, inches	6	8	10	12	15
Opens, inches	1	1⅛	1⅜	2⅛	2⅝
Weight per dozen, pounds	9	16	23	38	57
Per dozen	$9.00	10.00	12.00	14.00	24.00

AUTO

Adapted for automobile and any other work where a thin jaw is required.

Length 10 inches, jaws open 1½ inches, per dozen.....$15.00

SPARK PLUG

Box end, ⅞ inch opening for ½ inch spark plug. Open end [illegible] for any size plug

Semi finished, weight per dozen 6½ pounds, per dozen....$7.20

One half dozen in a box

BULLDOG

Nos.	3	4	5
Length, inches	16	22	27
Holds pipe, inches	½ to 1¼	1¼ to 2	2 to 3
Holds round iron, inches	¾ to 1⅜	1½ to 2½	2¼ to 3½
Weight per dozen, pounds	34	77½	150
Per dozen	$24.00	36.00	60.00

No. 2 9½ inches long, holds pipe ⅜ to ¾ inch, holds round iron ½ to 1 inch, weight per dozen about 11 pounds, per dozen.....$12.00

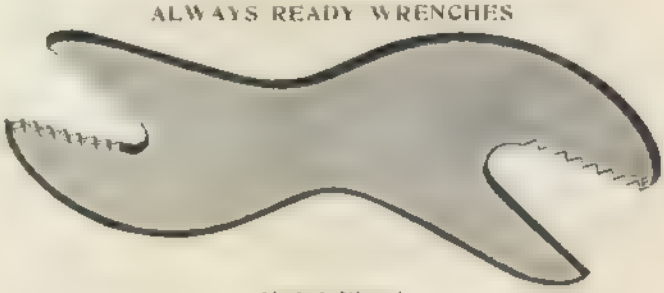
One half dozen in a box

Loose

BULL TERRIER WRENCHES

No. 1 Small end holds pipe ⅛ to ¼ inch, round iron ¼ to ⅜ inch, large end holds pipe ⅛ to ⅜ inch, round iron ¼ to ¾ inch. Jaws are oil tempered. Entire wrench nicely polished. Weight per dozen 3¾ pounds. Per dozen $6.50

ALWAYS READY WRENCHES



Nickel Plated

Nos.	1	2	2½	3
Length, inches	5	7	9½	11½
Holds square or round iron inches	½ to ¼	¼ to 1¼	¼ to 1¾	¼ to 2
Weight per dozen, pounds	5	14¼	20¾	29⅝
Per dozen	$5.00	6.75	10.50	16.00

Half dozen in a box

WRENCHES

BEMIS & CALL'S COMBINATION

Short Nut, Black

Inches	10	12	15
Holds pipe, inches	¼ to 1	⅜ to 1¾	½ to 2¼
Weight per dozen pounds	24	36	50
No. 44 Per dozen	$23 00	26.00	37.00

Long Nut, Bright

Inches	10	12	15
Holds pipe, inches	¼ to 1	⅜ to 1¾	½ to 2¼
Weight per dozen, pounds	26	38	54
No. 45 Per dozen	$25 25	28 50	40 50

One half dozen in a box

VICTOR ADJUSTABLE ALLIGATOR

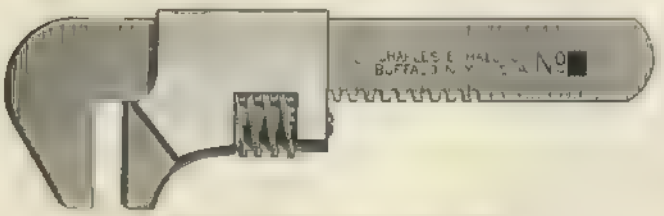
No. 365 Nickel plated, length 7 inches, weight per dozen about 8 pounds, per dozen **$13.00**
Extra jaws, each .....

BICYCLE

Length 5 inches opens 1¼ inches.

No. 11S Satin finish, weight per dozen about 3½ pounds, per dozen $1.26
No. 11NP Nickel plated, weight per dozen about 3½ pounds, per dozen 1 50

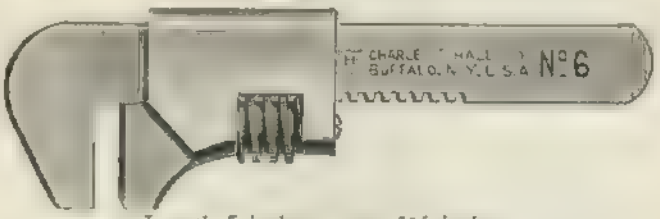
BICYCLE



Length 5 inches opens 1¼ inches

No. 5M Mottled finish, weight per dozen about 3½ pounds per dozen $1 80

BICYCLE



Length 5 inches, opens 1½ inches.

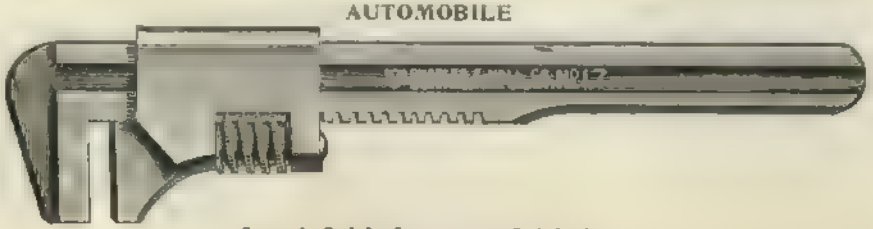
No. 6B Blued finish, weight per dozen about 4⅛ pounds, per dozen $2.16

AUTOMOBILE

Length 7 inches, opens 1⅝ inches

No. 15M Mottled finish, weight per dozen about 5 pounds ..... per dozen, $3.60

AUTOMOBILE



Length 8¼ inches, opens 2¼ inches.

No. 17M Mottled finish, weight per dozen about 7½ pounds ..... per dozen, $5.04

COLT'S AUTOMATIC PISTOLS

POCKET MODEL, HAMMERLESS

This Model is now fitted with a Safety Disconnector, which when the magazine is withdrawn positively breaks all connection between trigger and sear so that if a cartridge is left in the barrel the arm can not be fired even if the trigger is pulled

For the .25 Rimless Smokeless Cartridges.

Each

No. 125—.25 Caliber, Full Blued, Case-Hardened Trigger, Slide Lock Safety and Grip Safety, Rubber Stock, 2 in. Barrel, 6 Shots, Length Over All 4½ in., Weight 13 Oz.....$....

Equipped with Colt Automatic Grip Safety which prevents accidental discharge.

POCKET MODEL, HAMMERLESS

For the .32 and .380 Rimless Smokeless Cartridge.

Each

No. 132—.32 Caliber, Full Blued, 8 Shots, 3¾ in. Barrel, Rubber Stock, Length Over All 6¾ in., Weight 23 Oz.....$ . .

No. 380—.380 Caliber, Full Blued, 7 Shots, 3¾ in. Barrel, Rubber Stock, Length Over All 6¾ in., Weight 23 Oz.....

Equipped with Colt Automatic Grip Safety. The action of this pistol is automatic except that the trigger must be pulled to fire each shot.

POCKET MODEL, HAMMER

For the .38 Rimless Smokeless Cartridges.

Each

No. 138—.38 Caliber, Full Blued, 7 Shots, 4½ in. Barrel, Rubber Stock, Length Over All 7½ in., Weight 32 Oz.....$ . .

GOVERNMENT MODEL

With Grip Safety and Safety Lock. The Most Powerful Automatic Pistol Made

For the .45 Rimless, Smokeless Cartridges.

Each

No. 145—.45 Caliber, Blued Finish, 7 Shots, 5 in. Barrel, Checked Walnut Stock, Length Over All 8½ in., Weight 39 Oz.....$....

Adopted by the U. S. Government. In this model the slide remains open after firing the last cartridge

SAVAGE AUTOMATIC PISTOLS

MODEL 1907

Rimless, Smokeless, 10 Shots.

Adapted to .32 Automatic Savage, or .32 Automatic Colt or 7.65 M. M. Automatic Browning Rimless, Smokeless Pistol Ammunition. These are all Different Names for Exactly the Same Cartridge

Each

No. 32-SA—.32 Caliber, 3¾ in. Hi-Pressure Smokeless Steel Barrel, Length Over All 6½ in., Blued, Rubber Stock, Weight 19 Oz.....$. .

Extra Magazines .....

The Magazine contains 10 cartridges, putting an additional cartridge in the chamber places 11 shots at the command of the shooter

The mechanism is Semi-Automatic or Self-Loading The recoil of firing the cartridge extracts and ejects the empty shell, cocks the firing pin and loads the barrel for the next shot. The trigger must be pulled to fire each shot.

A very small, light, compact pocket gun, but its great accuracy high speed of fire and absolute reliability and safety make it rank with the military pistols It has been adopted and is in use as the Service Pistol of the Portugese army and navy. The only pistol using the above mentioned ammunition in which the breech mechanism is positively locked to the barrel while the bullet is passing through the bore.

This prevents waste of gas at the breech and gives greater accuracy, velocity and penetration than the other pistols which use this ammunition.

IVER JOHNSON REVOLVERS

A thoroughly satisfactory line of high grade Revolvers at a moderate price. Double positive cylinder locks, perfectly rifled. They are equipped throughout with the finest piano Wire Coil Springs replacing the old flat springs. Has a perfect Safety Device, it can be dropped on the floor, thrown about or you can "Hammer the Hammer" without fear of accidental discharge.

SAFETY HAMMER AUTOMATIC

Double Action, Automatic Ejector, Rubber Stock.
.22 Caliber, Rim Fire, 7 Shots.

	Each
No. 122 —3 in. Barrel, Nickel Plated, Wt. 12 Oz.	$
No. 122B—3 in. Barrel, Blued, Wt. 12 Oz.	

Adapted to .32 Short, Long and S. & W. Long Cartridges.

32 Caliber, Center Fire, 5 Shots.

No. 132 —3 in. Barrel, Nickel Plated, Wt. 12½ Oz.	$
No. 132B—3 in. Barrel, Blued, Wt. 12½ Oz.	

Adapted to .32 S. & W. C. F. Cartridges.

38 Caliber, Center Fire, 5 Shots.

No. 138 —3¼ in. Barrel, Nickel Plated, Wt. 17¼ Oz.	
No. 138B—3¼ in. Barrel, Blued, Wt. 17¼ Oz.	

Adapted to .38 S. & W. C. F. Cartridges.

SAFETY HAMMERLESS AUTOMATIC

Double Action, Automatic Ejector, Rubber Stock.
.22 Caliber, Rim Fire, 7 Shots.

	Each
No. 222 —3 in. Barrel, Nickel Plated, Wt. 12 Oz.	$
No. 222B—3 in. Barrel, Blued, Wt. 12 Oz.	

.32 Caliber, Center Fire, 5 Shots.

No. 232 —3 in. Barrel, Nickel Plated, Wt. 12½ Oz.	$
No. 232B—3 in. Barrel, Blued, Wt. 12½ Oz.	

Adapted to .32 S. & W. C. F. Cartridges.

.38 Caliber, Center Fire, 5 Shots.

No. 238 —3¼ in. Barrel, Nickel Plated, Wt. 18 Oz.	$
No. 238B—3¼ in. Barrel, Blued, Wt. 18 Oz.	

Adapted to .38 S. & W. C. F. Cartridges.

SPECIAL, HAMMER, WESTERN WALNUT GRIP

Double Action, Heavy Frame, Automatic Ejector, Safety Hammer, Grip Made from One Piece of Wood, Adapted to Target Work.
.32 Caliber, Center Fire, 6 Shots.

	Each
No. 332W —3¼ in. Barrel, Nickel Plated, Wt. 21 Oz.	$
No. 332WB—3¼ in. Barrel, Blued, Wt. 21 Oz.	

Adapted to 32 S. & W. Long, .32 Colt New Police or .32 S. & W. Center Fire Cartridges.

SPECIAL, HAMMERLESS, PERFECT GRIP

Double Action, Heavy Frame, Automatic Ejector, Perfect Rubber Grip, Adapted to Target Work.
32 Caliber, Center Fire, 6 Shots.

	Each
No. 332P —3¼ in. Barrel, Nickel Plated, Weight 16 Oz.	$
No. 332PB—3¼ in. Barrel, Blued, Wt. 16 Oz.	

Adapted to .32 S. & W. Long, .32 Colt New Police or .32 S. & W. Center Fire Cartridges.

SAFETY CYCLE HAMMER AUTOMATIC

Furnished with 2 in. Barrel Only.

Double Action, Automatic Ejector, Rubber Stock.
22 Caliber, Rim Fire, 7 Shots.

	Each
No. 422 —2 in. Barrel, Nickel Plated, Weight 12½ Oz.	$
No. 422B—2 in. Barrel, Blued, Wt. 12½ Oz.	

Adapted to .22 Short and Long R. F. Cartridges.

32 Caliber, Center Fire, 5 Shots.

No. 432 —2 in. Barrel, Nickel Plated, Wt. 13 Oz.	$
No. 432B—2 in. Barrel, Blued, Wt. 13 Oz.	

Adapted to .32 S. & W. C. F. Cartridges.

.38 Caliber, Center Fire, 5 Shots.

No. 438 —2 in. Barrel, Nickel Plated, Wt. 17½ Oz.	$
No. 438B—2 in. Barrel, Blued, Wt. 17½ Oz.	

Adapted to .38 S. & W. C. F. Cartridges.

SAFETY CYCLE HAMMERLESS AUTOMATIC

Furnished with 2 in. Barrel Only.

Double Action, Automatic Ejector, Rubber Stock.
22 Caliber, Rim Fire, 7 Shots.

	Each
No. 522 —2 in. Barrel, Nickel Plated, Wt. 12½ Oz.	$
No. 522B—2 in. Barrel, Blued, Wt. 12½ Oz.	

Adapted to .22 Short and Long R. F. Cartridges.

32 Caliber, Center Fire, 5 Shots.

No. 532 —2 in. Barrel, Nickel Plated, Wt. 13 Oz.	$
No. 532B—2 in. Barrel, Blued, Wt. 13 Oz.	

Adapted to .32 S. & W. C. F. Cartridges.

.38 Caliber, Center Fire, 5 Shots.

No. 538 —2 in. Barrel, Nickel Plated, Wt. 17½ Oz.	$
No. 538B—2 in. Barrel, Blued, Wt. 17½ Oz.	

Adapted to .38 S. & W. C. F. Cartridges.

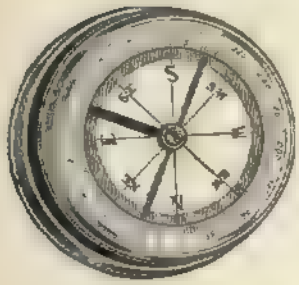
FINE LINE OF ASSORTED COMPASSES. Prices Each.

No. 1700.

No. 1707.

No. 1713.

No. 1716.

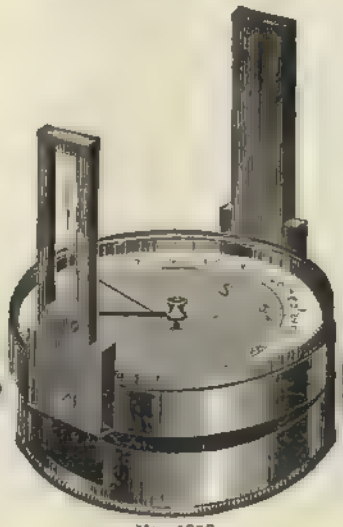

No. 1723.

No. 1725.

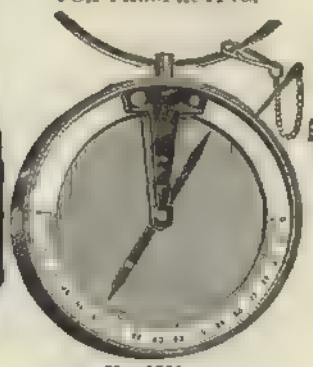
No. 1790.

No. 1795.

No. 1734.


No. 1757.

DIP NEEDLE COMPASS FOR PROSPECTING.


No. 1756.

GIMBALL COMPASS FOR BOAT USE.

No. 1755.

COMMON GERMAN MAKE FOR POCKET USE.

No.	DESCRIPTION	PRICE EACH SIZE. 25 M.M. 1 inch	30 M.M. 1 1-5 inch	35 M.M. 1 2-5 inch	40 M.M. 1 3-5 inch	45 M.M. 1 4-5 inch	50 M.M. 2 inch
No. 1740	Nickel case with handle, silvered dial, brass cap to needle	$ .35	$ .50	$ .70	$ .90	$ .70	.
No. 1745	Nickel case with cover, silvered dial, brass cap to needle	.	.60	.75	.80	.90	.
No. 1760	Heavy brass case with handle, silvered metal dial, brass cap to needle, same as cut 1790	.70	.85	1.00	1.00	1.10	1.20

FINE FRENCH MAKE FOR POCKET USE.

No.	DESCRIPTION	PRICE EACH SIZE. 40 M.M. 1 1-2 inch	45 M.M. 1 4-5 inch	50 M.M. 2 inch	60 M.M. 2 2-5 inch	70 M.M. 2 4-5 inch	80 M.M. 3 1-5 inch
No. 1700	Brass case with handle, silvered metal dial, brass cap to needle and stop	$ .70	$ 1.15	$ 1.50			
No. 1702	Same as No. 1700 but with jeweled cap and full division of dial	.	1.50	1.90			
No. 1705	Brass case silvered metal dial, brass cap to needle pin and stop cover	1.25	1.75	1.90	.		
No. 1707	Same as No. 1705 but with jeweled cap and full division of dial	2.15	2.55	2.75			
No. 1710	Brass case, silvered metal dial, with brass cap to needle stop	1.00		1.25			.
No. 1712	Same as No. 1710 but with jeweled cap and full division of dial	2.50	...	2.95			
No. 1716	Watch case style, open face, metal dial, jeweled bar needle, automatic stop, full divisions, [illegible]	6.40	7.00	7.50			
No. 1721	Heavy brass case with hinged lid, silvered metal dial, full divisions, bar needle, jeweled [illegible]			3.40	$ 3.65	.	
No. 1723	Same as No. 1725 but with full divisions or raised circle			3.65	3.90	$ 4.50	
No. 1725	Same as No. 1725 but flat needle instead of bar				4.25	5.00	$ 5.85
No. 1735	Heavy nickel plated case with hinged cover, silvered metal dial, full divisions, fine quality bar needle, jeweled pivot, with stop			4.25	4.80	5.60	6.25
No. 1737	Same as No. 1735 but with [illegible] glass, as shown in cut			4.70	5.15	5.85	6.60
No. 1744	Wood case with cover, nickel plate bands, silvered dial, jeweled needle, with stop	...	.	.		1.80	
No. 1745	Wood case with cover, Style No. 1734, metal dial, jeweled needle, automatic stop					2.35	
No. 1747	Wood case with cover, Style No. 1734, metal dial, jeweled needle, automatic stop, full divisions.					2.50	
No. 1757	Leather case with folding sights and hinged [illegible]				10.40	11.20	
No. 1758	Dip [illegible] compass for prospecting for minerals, [illegible] 1 1-2 M.M. or 4 inches						Each $25.00
No. 1755	Gimbal Compass for boat use, 2½ inch jeweled silvered dial.						Each 5.00

BAND INSTRUMENTS

WITH WATER KEYS, MUSIC RACKS AND GERMAN SILVER MOUTHPIECES.

B♭ CORNET.

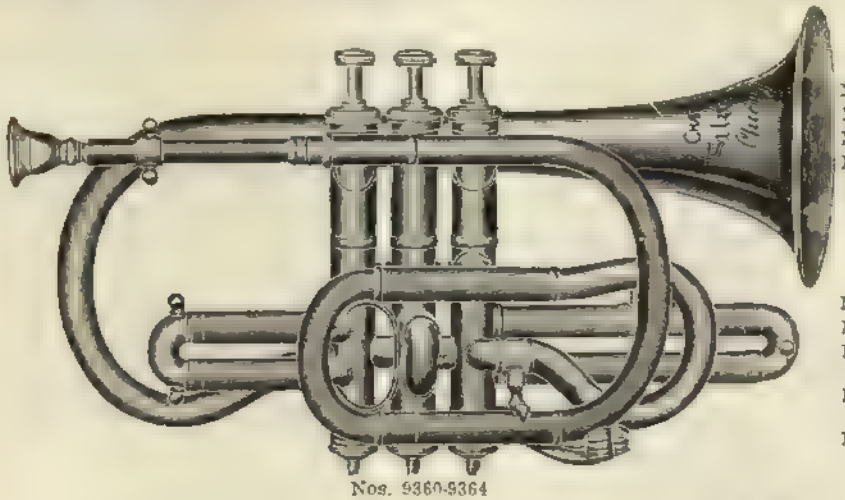
With Water Key.

No. 9202	Brass, with B♭ and A Set-Pieces	Each $21.85
No. 9203	Brass, with B♭ and A Set-Pieces, Nickel Plated	Each 24.50
No. 9202½	Brass, with B♭ and A Set-Pieces, Silver Plated, Satin Finish	Each 35.25
No. 9203½	Brass, with B♭ and A Set-Pieces, Silver Plated, Burnished	Each 42.00

B♭ CORNET.

With Double Water Key.

No. 9260	Brass	Each $26.00
No. 9261	Brass, Nickel Plated	Each 26.50
No. 9260½	Brass, Silver Plated, Satin Finish	Each 41.00
No. 9261½	Brass, Silver Plated, Burnished	Each 46.00



Nos. 9360-9364

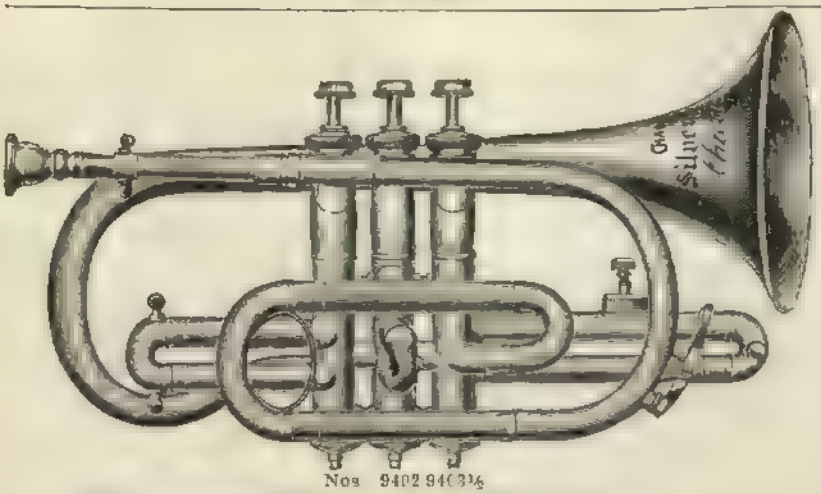
B♭ CORNET.

No. 9302	Brass	Each $23.00
No. 9303	Brass, nickel plated	Each 25.75
No. 9302½	Brass, silver plated, satin finish	Each 36.50
No. 9303½	Brass, silver plated, burnished	Each 43.00

B♭ CORNET COURTOIS MODEL.

Double Water Key.

No. 9360	Brass	Each $28.00
No. 9361	Brass, nickel plated	Each 30.75
No. 9362	Brass, silver plated, satin finish, with gold plated bell	Each 45.50
No. 9363	Brass, silver plated, finely burnished. Each	48.00
No. 9364	Brass, silver plated, finely burnished, with gold-plated bell	Each 63.00



Nos. 9402 9403½

B♭ CORNET.

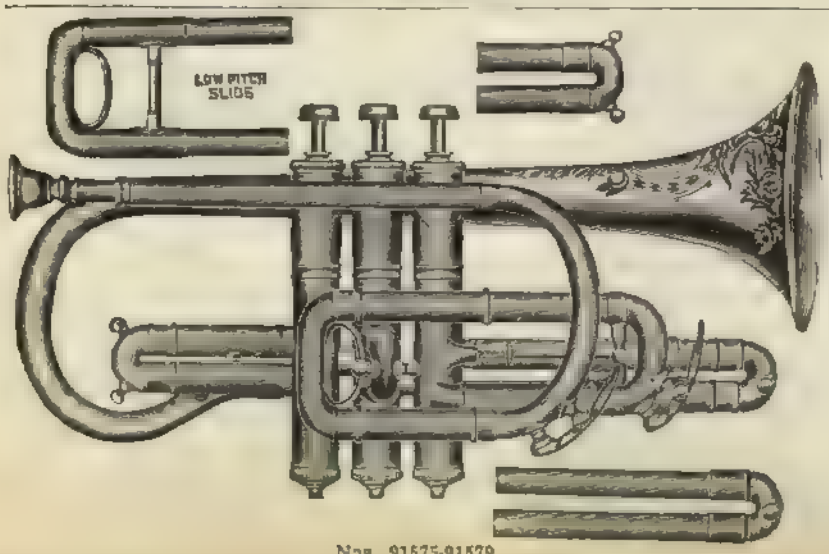
No. 9402	Brass	Each $24.00
No. 9403	Brass, nickel plated	Each 26.50
No. 9402½	Brass, silver plated, satin finish	Each 38.00
No. 9403½	Brass, silver plated, burnished	Each 44.00

E♭ CORNET.

No. 9400	Brass	Each $23.50
No. 9401	Brass, nickel plated	Each 26.00
No. 9402½	Brass, silver plated, satin finish	Each 37.25
No. 9401½	Brass, silver plated, burnished	Each 43.50

C CORNET.

No. 9450	Brass, with B♭ crook	Each $24.50
No. 9451	Brass, with B♭ crook, nickel plated. Each	27.25
No. 9450½	Brass, with B♭ crook, silver plated, satin finish	Each 39.00
No. 9451½	Brass, with B♭ crook, silver plated, burnished	Each 44.50



Nos. 91575-91579.

B♭ CORNET, AMERICAN MODEL.

Two Water Keys, Pearl Finger Buttons.

No. 91575	Brass	Each $57.25
No. 91576	Brass, nickel plated	Each 60.00
No. 91577	Brass, silver plated, satin finish Each	70.50
No. 91578	Brass, silver plated burnished	Each 77.25
No. 91579	Brass, silver plated, burnished gold bell and tips	Each 84.00

B♭ CORNET, AMERICAN MODEL.

Double Water Key, Pearl Finger Buttons.

No. 91560	Brass	Each $60.50
No. 91561	Brass, nickel plated	Each 63.25
No. 91562	Brass, silver plated, satin finish. Each	74.00
No. 91563	Brass, silver plated, burnished	Each 80.50
No. 91564	Brass, silver plated, burnished, gold, bell and tips	Each 94.00

B♭ CORNET, BESSON MODEL.

Pearl Finger Buttons.

No. 91502	Brass	Each $50.50
No. 91503	Brass, nickel plated	Each 53.25
No. 91502½	Brass, silver plated, satin finish. Each	66.50
No. 91503½	Brass, silver plated, burnished	Each 70.50

CONCERTINAS

No. 9460

No. 9876

SINGLE SET REEDS.

No. 9824 20 Keys, polished oak tops, with sound rings and nickel ornaments .....Each $ 5 65
No. 9870 20 Keys, nickel tops, corners, and clasps, double bellows .....Each 6.40
No. 9194 20 Keys, mahogany tops, carved mouldings, leather bellows .....Each 11 70

DOUBLE SET REEDS.

No. 9460 20 Keys, mahogany tops, with German silver edge and inlaying, sound rings, double bellows.....Each $ 7.10
No. 9878 20 Keys, nickel tops and sound rings, nickel corners and clasps, double bellows.....Each 7.40
No. 9875 20 Keys, nickel tops, bound with gilt ornamentations and sound rings, nickel corners and clasps, double bellows .....Each 7.90
No. 9872 20 Keys, polished tops, bound with gilt ornamentations, nickel corners and clasps, double bellows....Each 7 75

No. 9874

No. 94, English

No 9874 20 Keys, nickel tops, corners, and clasps, heavy bellows, frames with nickel protectors.....Each $ 8.75
No 9808 20 Keys, rosewood tops, figured moulding, bone keys .....Each 10 60

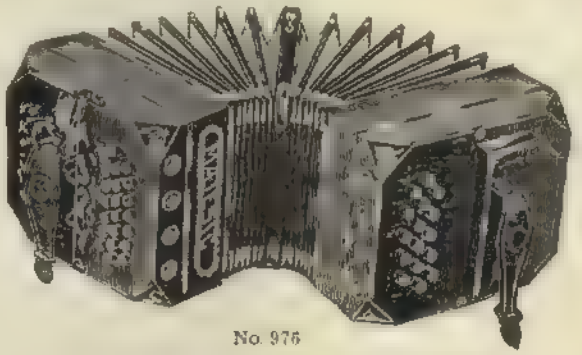
GENUINE ENGLISH, LACHENAL & CO., LONDON, MAKERS.

Double Action, With Screwed Notes. Compass 3½ Octaves, From G Below to Second C Above.

No. 91 48 Keys, mahogany, leather bellows, 4 folds, in wood case .....Each $44.40
No. 94 48 Keys rosewood, Morocco bellows, 5 folds, bushed key holes, in fine rosewood case.....Each 92.40
No. 910 Anglo-German pattern, 20 keys, mahogany, leather bellows, 5 folds, in wood case.....Each 23.10
No. 911 Anglo-German pattern, 20 keys, mahogany, steel reeds, leather bellows, 5 folds, in wood case.....Each 28.40

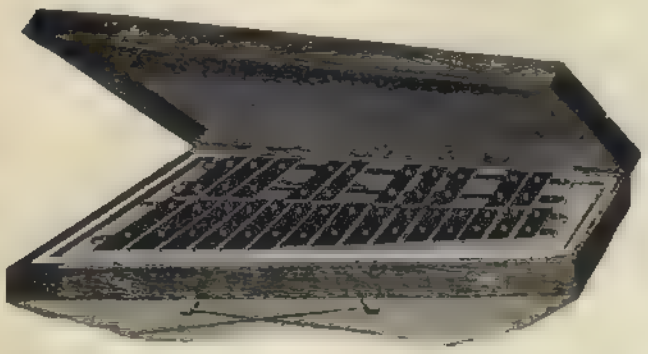
GERMAN CONCERTINAS. SQUARE FORM. MAJESTIC BRAND.

No. 974 Rosewood Veneered Case, with German silver edges, 3 rows of German silver keys on each side, double bellows, single reeds, 76 notes, 38 keys, composition bronze reeds. Size 7¼x6½ inches.....Each $39 75
No 975 Rosewood Veneered Case, with German silver edges, 3 rows German silver keys on each side, double bellows single reeds, 76 notes, 38 keys, steel reeds. Size 7½x7 inches .....Each [illegible]
No 976 Rosewood Veneered Case, with German silver edges and ornamented moulding, cut off corners inlaid with German silver ornamentation, double leather covered bellows, with German silver corners and bellows protectors, 3 rows of pearl keys on each side, 76 notes, 38 keys, 152 steel reeds, tuned in octave or double tuning. Size 8x7¼ inches ..... Each 122.10



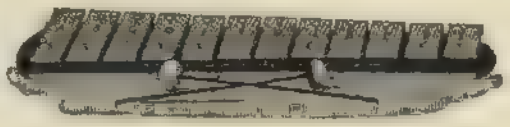
No. 976

ORCHESTRA BELLS. LOW PITCH AND HIGH PITCH



L. Pitch No.	H. Pitch No.	
95	94	F to F, 2 octaves, chromatic, 25 steel bars, ⅛ inch thick, ⅞ inch wide, in a wood case, 19x13½ inches, covered with black canvas, leather handle and metal corners and trimmings $19.20
96	93	F to F, 2 octaves, chromatic, 25 steel polished bars, 5-32 inch thick, 1 inch wide, in solid oak case, 19x13½ inches, strong brass handle and trimmings..... 30.00

PARLOR BELLS. LOW AND HIGH PITCH.



L. Pitch No.	H. Pitch No.		Per Set
9101	911	12 Blued Steel Bars, on frame, key of A.....	$4 20
9102	912	12 Blued Steel Bars, on frame, key of Ab.....	4.20
9103	913	12 Blued Steel Bars, on frame, key of C.....	4.20
9104	914	20 Blued Steel Bars, on frame, chromatic....	8 35

OUR GOODS ARE RIGHT, OUR PRICES, ARE RIGHT AND WE WILL TREAT YOU RIGHT. TELL US WHEN WE ARE WRONG.

Greatest Musical Invention of the Age

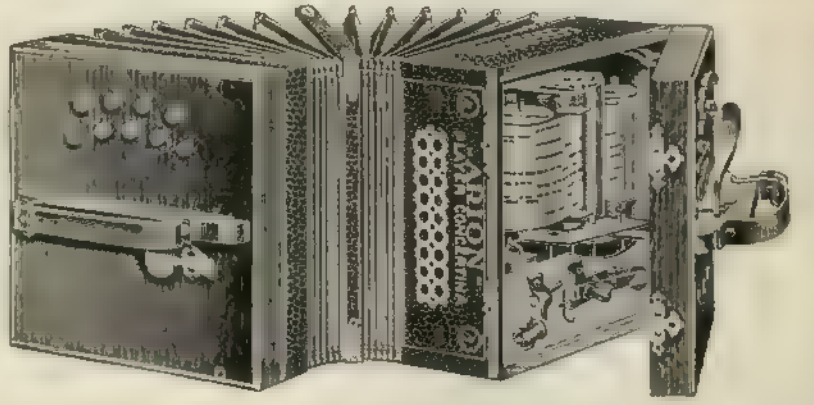
The Arion Automatic Self-Playing Concertina

OPERATION SIMPLE! Merely Expand and Contract Bellows, Using Lever

Any One, Old or Young, Can Operate It—Music Superb.

Made in 3 Sizes.

No. 1	7¾ inches square has 32 Brass Reeds including 3 Rolls.....Price, **$48.00** Extra Rolls..... .....Each, $1 35
No. 2	9¼ inches square has 80 Brass Reeds including 3 Rolls ....Price, **$67.55** Extra Rolls..... Each, $1.50
No. 5	9¼ inches square has 112 Steel Reeds including 3 Rolls .....Price, **$88.90** Extra Rolls.....Each, $2.00



THESE Instruments are Beautifully Made and highly finished in imitation Rosewood. Large rich tone, extra strong bellows and a well made motor. Three rolls of music with each instrument gratis. Below we give the partial list of music rolls for these Concertinas.

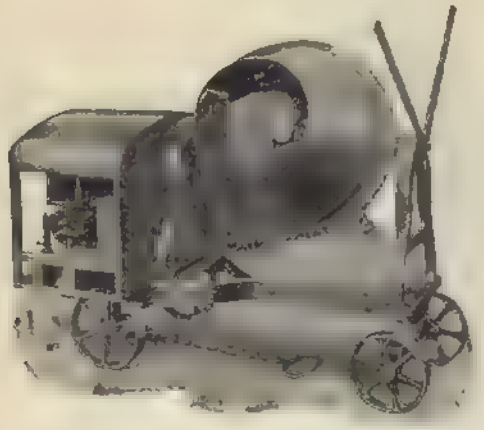
Nr	Title and Composer
1000	King Charles-March—Unrath.
1002	March of volunteers—Sousa.
1003	Waltz from the operette: "The waltz dream"—Lehar
1004	Waltz from the operette: "The Earl of Luxemburg"—Lehar.
1005	The little Tonkin girl—Scotto u. Christine
1006	Rhenish dance from the operette: "The dollar princess"—Fall.
1007	Cavalleria Rusticana, Intermezzo—Mascagni.
1008	Air from the opera: "Rigoletto"—Verdi
1009	March of the regiment No. 107—Hauschild
1010	March of the regiment No. 108.
1011	Waltz from the operette "The divorced wife"—Fall
1012	Roses from the South, waltz—Strauss
1013	Our Guards. Marsch—Fors[illegible]
1014	Tyrol march—L. F. Wa[illegible]
1015	Tanzbaer march—Kretschmar
1016	March from the opera "Carmen"—Bizet
1017	Rhenish dance from the operette: "The merry countryman"—Fall
1018	'Do you know the land" air from the opera 'Mignon'—Thomas.
1019	Waves of the Danube, waltz—Ivanovici.
1020	Choral Song
1021	Bride Chorus" from the opera "Lohengrin"—Rich. Wagner
1022	Miserere from Troubadour—Verdi
1023	Th[illegible] Sa[illegible]s Wa[illegible] Waldteufel
1024	[illegible] [illegible] from [illegible]s tales—Offenbach.
1025	Morning [illegible] waltz—Strauss.
1026	Vienna blood; waltz—Strauss
1027	Under the banner of [illegible] march—v. Blon
1028	Over the waves waltz—Rosas
1029	Polka from the operette: "The Earl of Luxemburg"—Lehar.
1030	Tales from the Vienna Wood, waltz—Strauss
1031	Wine waltz—S. Gross
1032	March from the opera: "Tannhauser"—Rich. Wagner.
1033	Love me and the world is mine—Ernst R. Ball.
1034	Coronation march from the opera: "The prophet"—Meyerbeer
1035	Air from the opera. "The Master singers"—Rich. Wagner
1036	Soldiers' Chorus from "Faust"—Gounod
1037	Kiss Renish dance from the operette: "The Autumn manuever" —E. Kalman.
1038	Waltz from the operette: "The merry widow"—Lehar
1039	The cherries in the neighbour's garden—Holland
1040	Waltz from the operette: "The flitter-mouse"—Strauss.
1041	Comedy overture—Keler Bela.
1042	Let us enjoy the life, march—M. Simon
1043	The Honeymoon march—G. Rosey.
1044	The American Patrol, march—A. S. Kreymborg.
1045	Wine, Woman and Song, waltz—Straub
1046	"To our home" Air from Troubadour—Verdi
1047	Air from "Martha"—Flotow.
1048	La Gran Via, Spanish waltz—Chuesa y Valverde.
1049	Bavarian dance.
1050	Hungarish Czardas
1051	Christmas Songs.
1052	Prayer from "Tell"—Rossini
1053	Tyrolienne from "Tell"—Rossini

Nr	Title and Composer.
1054	Spring my girl—John Flinn
1055	Song from the operette: "The Gipsy baron"—Strauss.
1056	German flag song—[illegible]
1057	Hyano Do Minh[illegible] Maria [illegible]
1058	A Portuguesa—A. Kel
1059	Parade of the tin-soldiers—Leon Jessel
1060	In the stork-nest, waltz—A. Behling.
1061	At the Borporus—Paul Lincke.
1062	German song
1063	"Who is responsible" waltz of Polish house keeping—Jean Gilbert
1064	[illegible] waltz of Polish house keeping—Jean Gilbert
1065	[illegible] Garreto
1066	[illegible] the father with his son march from "The virtuous Susanne"—Oscar Petras.
1067	[illegible] dance.
1068	[illegible] lift the small feets, waltz from "The virtuous Susanne"—Oscar Petras
1069	[illegible] waltz
1070	[illegible] from "Madame Sherry", Intermezzo—Karl Hoschna.
1071	[illegible] Schuster
1072	[illegible]—Jan Schuster.
1073	[illegible] La Manolaguita.
1074	[illegible] national hymn.
1075	[illegible] Aragon[illegible] Arista
1076	La alegria de[illegible] batallon Americana: Al mismito Rey del Moro—Lorenzo Rais.
1077	Robert the Devil, Cavatine—G. Meyerbeer.
1078	Norma, "See o Norma"—G. Meyerbeer.
1079	La Traviata, drink als—G. Verdi.
1080	La Traviata, waltz—G. Verdi
1081	Aida, triumph march—G. Verdi.
1082	Norma, chorus—G. Meyerbeer.
1083	Waltz from the beloved Augustin—Leo Fall
1084	Girls like that so much, from 'auto love"—Gilbert
1085	Troubadour air—G. Verdi
1086	Troubadour Cavatine—G. Verdi
1087	Rastelbinder waltz—Lehar.
1088	Robert the Devil, Sicilienne—G. Meyerbeer.
1089	Mal nos de Viento, Schotis de los Zuecos—Mtre. Luna
1090	El Principe Casto Schotis de los Perfumadores—Matre. Valverde
1091	El Vito, Pasodoble Torero—Mtre. S. Lope
1092	Ven y Ven y Ven Habanera Mexicana-Espanola—Meiler y Paquita
1093	The Belle of the Barber's Hall—Geo. M. Cohan
1094	Mylady, can you dance round to the left from "auto love"—Gilbert
1095	Child, I am sleeping so badly, waltz from "Flimmagie." —W. Kollo.
1096	Pauline is going to dance, waltz from "High rosins" —W. Kollo.
1097	Little dear, you are my pupil, from "Little dear"—Gilbert.
1098	Let us go to Hagenbeck, from "Little dear"—Gilbert.
1099	Aisha, Two step—John Lindsay
1100	If love is dying—Octave Cremieux.

New Music Issued from time to time.

CONCRETE MIXERS

VAN DUZEN



TYPE "A", ON HAND PORTABLE TRUCK

The Van Duzen Mixer is what is commonly known as the drum type batch mixer and gives a positive mixing of all the aggregates, in the batch, and does this in plain view of the operator.

It will thoroughly mix concrete, grout, facings, mortar or plaster of any consistency.

The large opening in the tub allows the operator to see the exact condition of the batch and he can make it as wet or dry as desired. This is guess work with other types as the openings must of necessity be small or the drum would have to be so large that the machine could not be moved without considerable inconvenience.

It is the easiest type to clean as there is no possibility of the mixture adhering to the drum or the mixing plows.

It is of convenient height for dumping into a wheelbarrow.

For foundation work the batch can be dumped into a chute and run right into the forms; thus obviating the necessity of handling the material the second time.

The bottom half of drum is semi-cast steel and the upper half of drum is plate steel. The frame and trucks are all steel and iron, and the wheels are steel with staggered spokes. There is not a piece of wood on it.

Each

Type "A" Capacity 3 to 4 cu. ft. Per Batch, Equipped with 1¾ Horse Power Van Duzen Engine, Mounted on Hand Portable Truck. Shipping Weight 1000 Lbs..... $.....

SPECIFICATIONS

Length Over All 6 ft.
Length of Trucks 5½ ft.
Width of Trucks 40 in.
Total Height 5 ft

Largest Diameter of Drum 30 in.
Height of Drum 27 in.
Opening of Drum 17 in.

Height to Charge 35 in.
Diameter of Truck Wheels 17 in.
Face of Truck Wheels 3 in.

TYPE "A", ON SKIDS

For Hand or Belt Power.

This Mixer is particularly adapted to the requirements of those operating Cement Block Plants and Concrete Construction on the farm.

Each

Type "A" Skid—Capacity 3 to 4 cu. ft. Per Batch, Shipping Weight 475 Lbs..... $.

SPECIFICATIONS

Length 3 ft. 2 in.
Width 19 in.
Total Height 43 in.
Height of Charge 33 in.

Largest Diameter of Drum 30 in.
Diameter of Fly Wheel 18 in.
Face of Fly Wheel 4 in.
Weight 475 pounds

DOG CLAMPS FOR CONCRETE FORMS

Light in weight, yet very stiff and strong, this clamp will outlast many wooden clamps and any similar iron clamp. The bar is special steel -tough, stiff and durable. The foot and clutch are designed to give maximum strength and resistance to wear. They are built so that, once applied, they cannot slip off the work.

Light, 1⅛ x ¼ in. Bar, 4 in. Deep from Bar to End of Jaw.					
Nos.	296	297	298	299	300
Opening, Inches	2	3	36	42	48
Wt. 100 Pieces, Lbs	540	630	695	760	820
Per 100	$50 00	57 50	62 50	67 50	72 50

Heavy, 1¾ x ⅜ in. Bar, 5 in. Deep from Bar to End of Jaw.					
Nos.	301	302	303	304	305
Opening, Inches	24	30	36	42	48
Wt. 100 Pcs. Lbs	850	1001	1150	1220	1430
Per 100	$77 50	87 50	95 00	102 50	110 00

PORTABLE FORGES

CHICAGO

A light, move-about Forge.

Adapted to Light Work

Suited to Quarries, Mines, etc.

Popular as a Low Priced Article.

Cast Iron Hearth, with Windshield.

	Each
No. 150—30 in. High, 18 in. Diameter Hearth, 8 in. Diameter Blower, Net Weight Each 80 Lbs.	$13.00

BUFFALO AGRICULTURAL

Equipped with Climax Blower.

The gears of the Climax Blower are machine cut and consist of two spur gear wheels and two helical gear wheels properly proportioned to produce several thousand revolutions per minute of the fan with the crank being turned at a very moderate speed.

The crank can be turned forward or backward with equally good results.

The hearth is a strong bowl shaped casting. The tuyere gives an even spread of blast

Cast Iron Hearth, with Windshield.

	Each
No. 30—30 in. High, 22 in. Diameter Hearth, 12 in. Diameter Fan. Shipping Weight Each 110 Lbs.	$27.00

ROYAL WESTERN CHIEF

Royal Type Blower.

Crank Turns Forward or Backward.

Capacity to Heat 3½ in. Iron

The most serviceable forge constructed for outdoor repair or construction work

Cast Iron Hearth, with Windshield.

	Each
No. 104—33 in. High, 22 in. Diameter Hearth, 10 in. Diameter Blower, Net Weight Each 120 Lbs.	$33.00

BUFFALO RIVET

Largest Capacity.

Quickest Heats.

Easiest Operation.

Equipped with Buffalo No. 300 Silent Blower with 12 in. Fan.

Repairs are reduced fully 50 per cent with this Forge.

The Blower has helical high-speed gears and full size 12 in. fan of the most efficient design, with blast delivery along the line of least resistance.

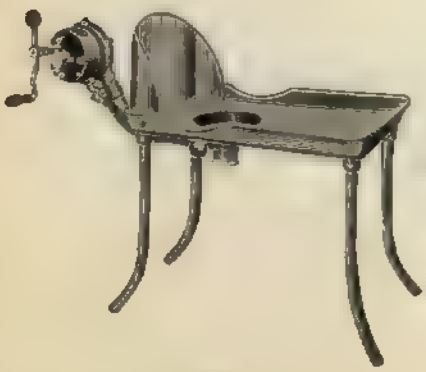
The fire pan is made of heavy rolled steel plate, strongly riveted.

The windshield and blower are detachable and can be packed in the fire pan for transportation.

Steel Hearth, with Windshield.

	Each
No. 625—18 in. Diameter Hearth, 12 in. Diameter Fan, Net Weight Each 110 Lbs.	$35.00

TIGER



No. 252

An Unusually Popular Line in Universal Demand.

With Windshield and Crank Gear.

	Each
No. 252—30 in High 25x36 in. Hearth 9 in. Diameter Blower, Net Weight Each 180 Lbs	$27.00

With Half Hood and Crank Gear.

	Each
No. 253—30 in. High, 25x36 in. Hearth, 9 in. Diameter Blower, Net Weight Each 180 Lbs.	$31.00

No. 253.

These Forges have a large roomy fire pot, conveniently shaped hearth, and splendid blast. They are very serviceable forges at low cost.

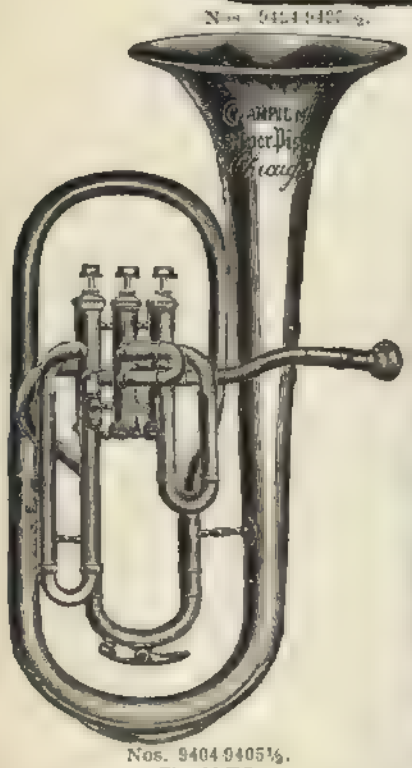
BAND INSTRUMENTS

Nos. 9424-9425½.

With Water Keys, Music Rack and German Silver Mouthpiece.

SOLO Eb ALTO.

No. 9424	Brass	Each $36.00
No. 9425	Brass, nickel plated	Each 40.00
No. 9424½	Brass, silver plated, satin finish	Each 56.00
No. 9425½	Brass, silver plated, burnished	Each 71.50



Nos. 9404-9405½.

Eb ALTO.

No. 9404	Brass	Each $36.00
No. 9405	Brass, nickel-plated	Each 40.00
No. 9404½	Brass, silver-plated, satin finish	Each 56.00
No. 9405½	Brass, silver-plated, burnished	Each 71.50

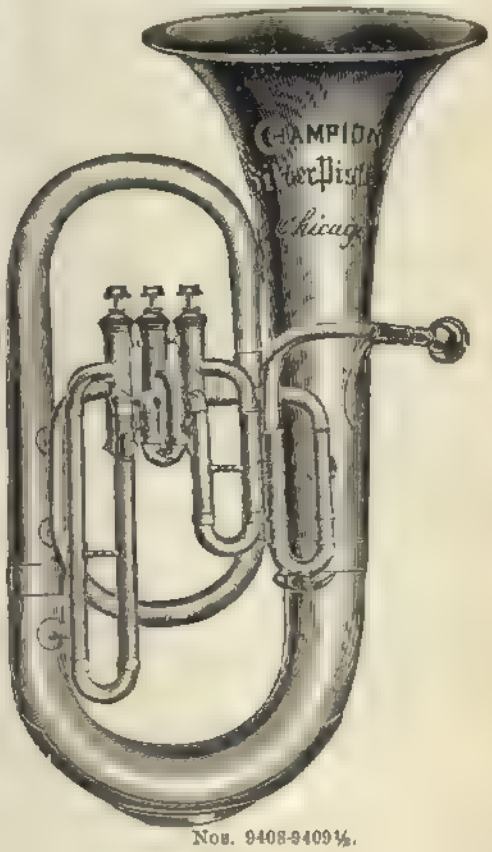
Eb ALTO.
Improved Model.

9204	Brass	$ 31.25
9205	Brass, nickel-plated	37.75
9204½	Brass, silver-plated, satin finish	52.50
9205½	Brass, silver-plated, burnished	68.00

Nos. 9406-9407½.

Bb TENOR.

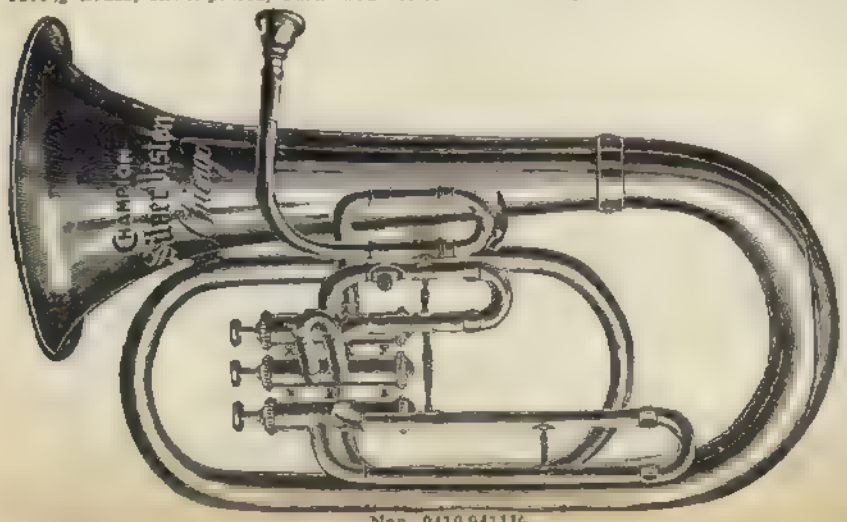
No. 9406	Brass	Each $41.25
No. 9407	Brass, nickel plated	Each 47.00
No. 9406½	Brass, silver plated, satin finish	Each 65.00
No. 9407½	Brass, silver-plated, burnished	Each 81.50



Nos. 9408-9409½.

Bb BARITONE.

No. 9408	Brass	Each $46.50
No. 9409	Brass, nickel-plated	Each 55.00
No. 9408½	Brass, silver-plated, satin finish	Each 76.00
No. 9409½	Brass, silver-plated, burnished	Each 95.50



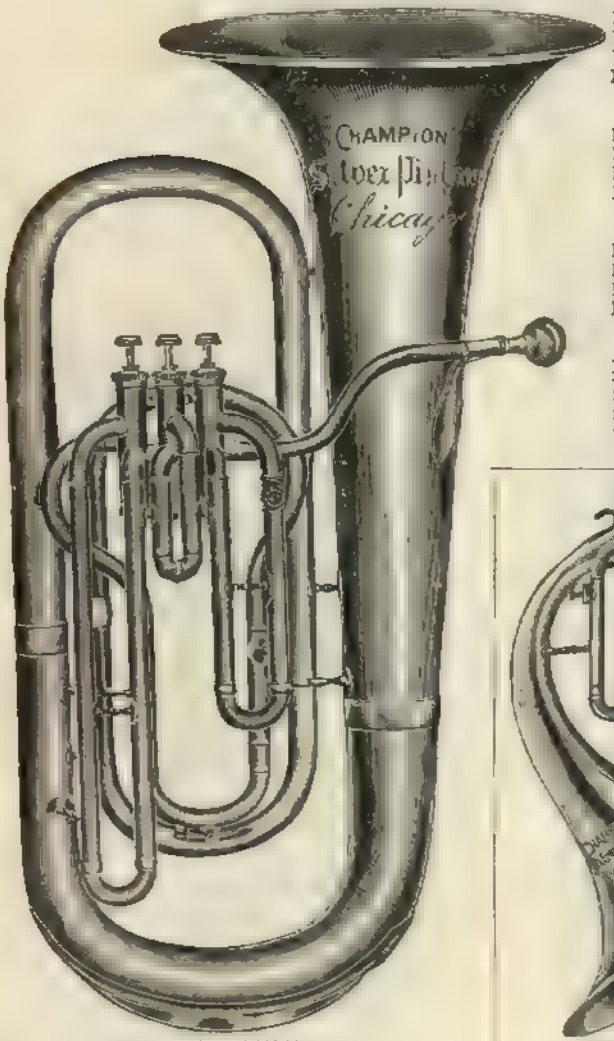
Nos. 9410-9411½.

Bb BASS.

No. 9410	Brass	Each $54.25
No. 9411	Brass, nickel-plated	Each 61.50
No. 9410½	Brass, silver-plated, satin finish	Each 87.50
No. 9411½	Brass, silver-plated, burnished	Each 111.00

BAND INSTRUMENTS

Light Action, Silver Piston—with Water Keys, Music Racks and German Silver Mouthpieces



Nos. 9412-9415½

Eb BASS

No. 9412	Brass	Each	$ 76.00
No. 9413	Brass, nickel plated	Each	87.00
No. 9412½	Brass, silver plated, satin finish	Each	126.00
No. 9413½	Brass, silver plated, burnished	Each	146.00

Eb HELICON BASS

No. 9416	Brass	Each	$111.00
No. 9417	Brass, nickel plated	Each	125.00
No. 9416½	Brass, silver plated, satin finish	Each	171.00
No. 9417½	Brass, silver plated, burnished	Each	192.00

BBb BASS—LARGE SIZE.

No. 9428	Brass	Each	$142.50
No. 9429	Brass, nickel plated	Each	162.50
No. 9428½	Brass, silver plated, satin finish	Each	202.50
No. 9429½	Brass, silver plated, finely burnished	Each	222.50

Eb CONTRA BASS.

No. 9414	Brass	Each	$ 84.00
No. 9415	Brass, nickel plated	Each	95.00
No. 9414½	Brass, silver plated, satin finish	Each	142.50
No. 9415½	Brass, silver plated, burnished	Each	162.50

Mellophone Nos. 9436-9437½

CONCERT HORN OR MELLOPHONE IN F, WITH CROOKS TO Eb, D, AND C.

No. 9436	Brass	Each	$55.00
No. 9437	Brass, nickel plated	Each	63.00
No. 9436½	Brass, silver plated, satin finish	Each	81.75
No. 9437½	Brass, silver plated, finely burnished	Each	98.00

Nos. 9422-9423½.

Eb ALTO TROMBONE.

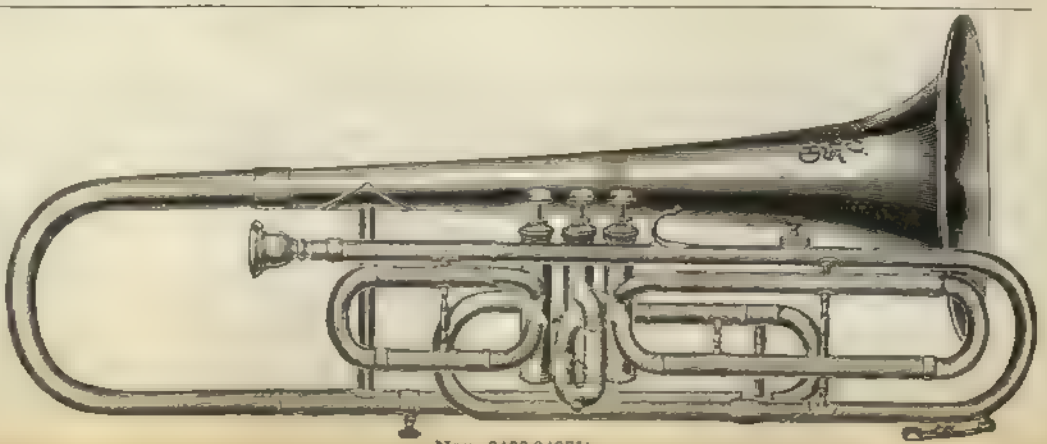
No. 9422	Brass	Each	$36.00
No. 9423	Brass, nickel plated	Each	40.50
No. 9422½	Brass, silver plated, satin finish	Each	56.00
No. 9423½	Brass, silver plated, burnished	Each	73.00

Bb TENOR TROMBONE.

No. 9420	Brass	Each	$42.50
No. 9421	Brass, nickel plated	Each	48.00
No. 9420½	Brass, silver plated, satin finish	Each	66.00
No. 9421½	Brass, silver plated, burnished	Each	83.00

Bb BARITONE TROMBONE.

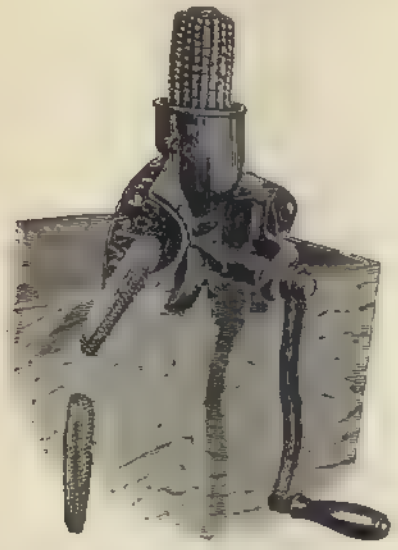
No. 9426	Brass	Each	$46.50
No. 9427	Brass, nickel plated	Each	55.00
No. 9426½	Brass, silver plated, satin finish	Each	76.00
No. 9427½	Brass, silver plated, burnished	Each	92.50



Nos. 9426-9427½.

CORN SHELLERS

RED CHIEF



Per Dozen

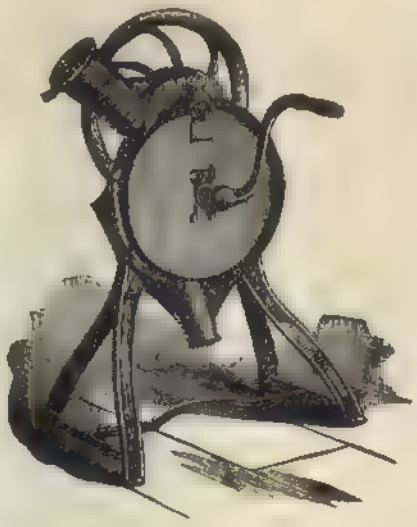
Red Chief Japanned Malleable Iron, Cold Rolled Steel Axle with 4½ in. Bearing on Hub Preventing Rapid Wear, Oval Shaped Teeth, Capacity 8 to 12 Bushels Per Hour.....$25 00

The oval shaped teeth go between the rows of grain and press them off without bruising or cracking the grain. The tooth wheel expands with the ear of corn as it goes through the machine and adjusts itself to any size ear.

It throws the cobs outside every time, no matter whether used on box or barrel bolts on barrel or any round vessel as easily as on a box.

Weight Per Dozen 140 Pounds

BURRALL



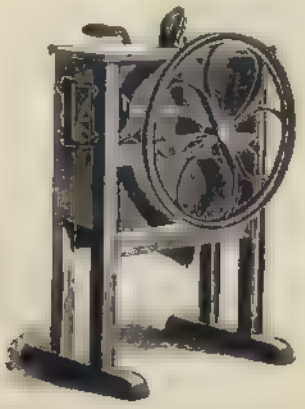
Each

Burrall All Iron Painted Green, Capacity 10 Bushels Per Hour, Cold Rolled Steel Shaft...$.

Well braced. The feed spout is adjustable for large or small ears of corn.

Weight Each 145 Pounds.

CHICOPEE



Each

Chicopee—Hardwood Frame, Well Mortised and Neatly Painted, Heavy Fly Wheel, with Cold Rolled Steel Shaft, Smooth Running Large Hopper, Adjustable to Shell All Sizes of Ears, with Separator and Chaff Sieve.....$8.75

The separator on the front of the machine separates the ears from the shelled corn. The chaff sieve assists in screening the corn which passes out through the small spout at the top

Weight Each 125 Pounds

RIGHT HAND

Each

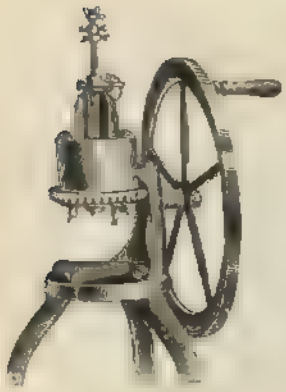
No. A—Hardwood Frame, Well Mortised and Neatly Painted, Good Weight Balance Wheel, Cold Rolled Steel Shaft, Smooth Running, Large Hopper, Adjustable to Shell All Sizes of Ears..$8.75

The cob is separated from the corn and passes through the opening on side of sheller.

Weight Each 125 Pounds.

BONE CUTTERS

IMPROVED MANN'S PATTERN



No 5BM.

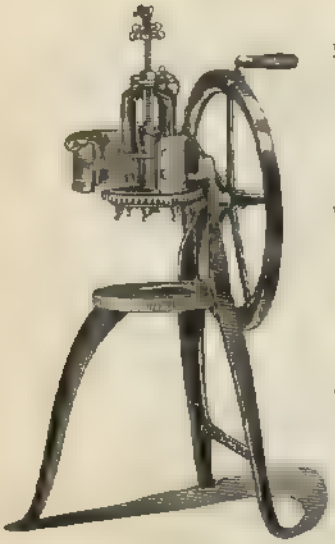
The improved automatic feed is used on all Improved Mann's Pattern Bone Cutters.

This feed mechanism can be regulated by the turning of a wing nut at the top by hand, without the use of tools

It can be set to feed slowly when cutting hard bone or fast for vegetables, etc. When the pressure gets too great the governors slip past each other, thereby stopping the feed until the knives have cut enough bone out of the hopper to reduce the pressure when it will start to feed again. It will stop feeding when the hopper is empty.

The follower cannot run down and come in contact with the cutters. It can be taken out of the hopper at any point by taking out the pin on the chain and opening the split nut.

Each machine is furnished with knife holder and knife gauge. Also directions for operating and illustrated price list of parts.



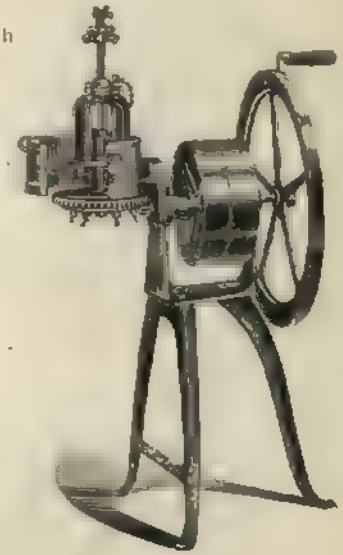
No 7.

Each

No. 5BM—6 in. Diameter Cylinder, 4 in. Deep, 4 Tempered Steel Knives, Large Heavy Balance Wheel, Improved Automatic Feed, Mounted on a Strong Stand with Shelf, Intended for Flocks up to 100 Hens, Weight Each Complete 85 Lbs . . . . . .

No. 7—7¼ in. Diameter Cylinder, 5¼ in. Deep, 6 Tempered Steel Knives, Capacity ½ to 1 Lb Per Minute, Hinged Hopper, Strong Iron Stand with Hopper to Hold the Receptacle for Cut Bone, Heavy Balance Wheel, Can be Profitably Used for Flocks Up to 200 Hens, Weight Each Complete 110 Lbs. . . . . .

No. 7½—Same Size and Construction as No 7, but may be Used for Either Hand or Power Use without Changing or Adjusting in Any Way. Complete with 11⅛x2½ in. Tight and Loose Pulleys, Should be Run at 300 Revolutions Per Minute to Obtain Best Results, Weight Each Complete 150 Lbs . . . . . .



No 7½.

HAND GRINDING MILLS

These mills are fitted with force feed or worm to deliver the grain to the burrs automatically. They are equipped with adjusting wheel to gauge the quality of feed which can be locked in position after the desired fineness is secured.

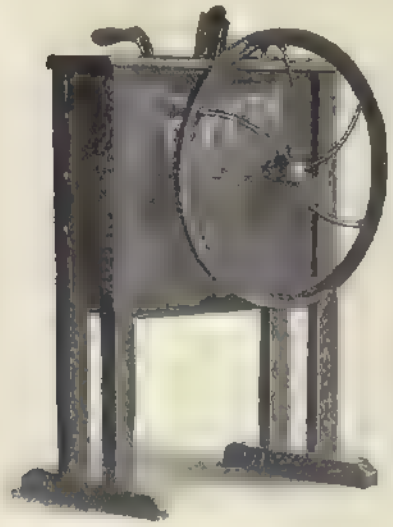
They can be adjusted to merely crack corn as it is fed to large chickens or fine for mash for chicks or will grind corn sufficiently fine for table meal, also dry bones and oyster shells providing the pieces are not too large, in which event they can be readily broken by a stamper, an axe or some other available tool and placed in the hopper a few pieces at a time.

Each

No. 32—16 in. Diameter Fly Wheel, Capacity 1 to 2 Bushels Per Hour, Chemically Analyzed Special Metal Burrs, High Grade Castings, Nicely Painted Weight Each 40 Lbs. . . . . .

CORN SHELLERS

TIFFIN ONE HOLE SHELLER

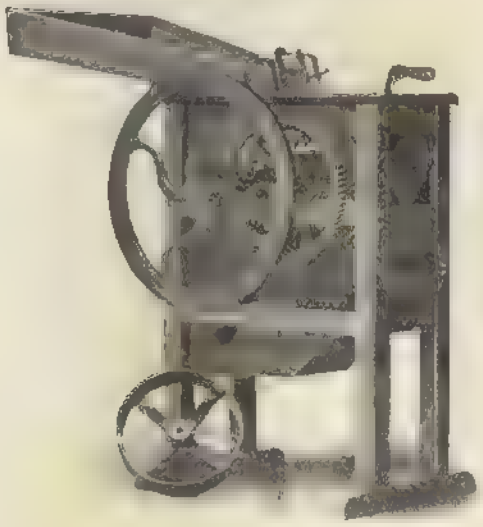


Tiffin One Hole Sheller, without fan, each.. ..$13.00
Tiffin One Hole Sheller, with fan, each.... . 14.00

This is a right hand sheller with end hole, has cast balance wheel with wrought spokes. Frame is made of hardwood and shafts are wrought iron. Well finished and attractive in appearance. All gearing is carefully fitted and placed inside, thus preventing accidents and breakage. The hopper is adjustable to large or small corn.

Weight 127 pounds.

TIFFIN TWO HOLE SHELLER

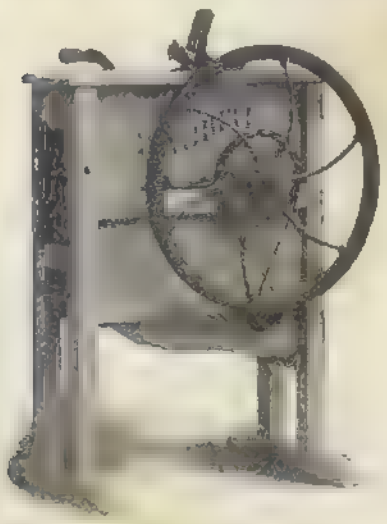


Tiffin Two Hole Sheller, with fan, feed table and pulley, each $30.00

This sheller is made of hardwood and finished in same handsome manner as the one hole. The capacity is double that of the one hole. It can be used by hand or power.

Weight 210 pounds.

FAVORITE ONE HOLE SHELLER

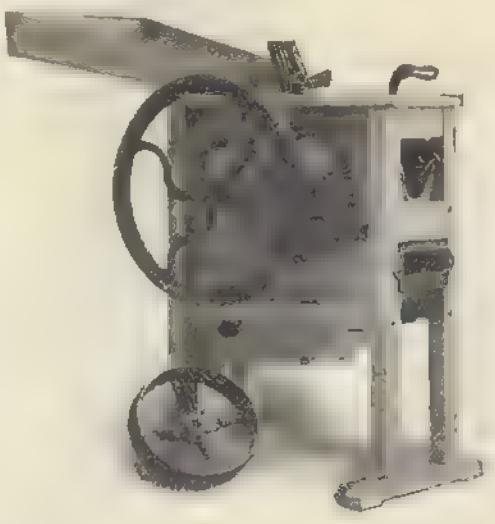


Favorite One Hole Sheller, without fan, e .. $13.00
Favorite One Hole Sheller, with fan, each. . . 14.00

This is a right hand sheller with end hole delivery. It is very similar to the Tiffin in size and weight and well finished in the same attractive manner. Varies only in the adjustment by the use of a coil spring instead of a flat spring. Has perfect adjustment and is easy to operate.

Weight 127 pounds.

FAVORITE TWO HOLE SHELLER

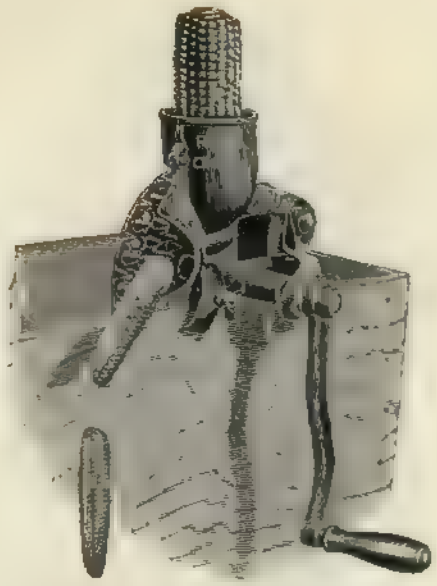


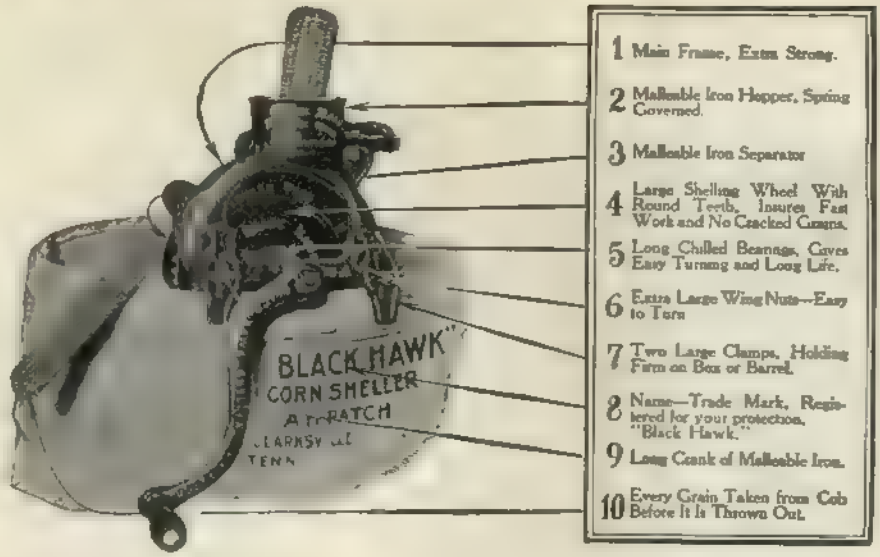
Favorite Two Hole Sheller, with fan, feed table and pulley, each $30.00

Built on the same lines as the Tiffin two hole, the exception being the coil spring adjustment instead of flat spring. It is double the capacity of the one hole. Strongly made of hardwood, well painted and finished in the same manner as the Tiffin. Has a heavy cast balance wheel.

Weight 210 pounds

CORN SHELLERS




BLACK HAWK
CORN SHELLER
1 Main Frame, Extra Strong.
2 Malleable Iron Hopper, Spring Governed.
3 Malleable Iron Separator
4 Large Shelling Wheel With Round Teeth, Insures Fast Work and No Cracked Grains.
5 Long Chilled Bearings, Gives Easy Turning and Long Life.
6 Extra Large Wing Nuts—Easy to Turn
7 Two Large Clamps, Holding Firm on Box or Barrel.
8 Name—Trade Mark, Registered for your protection, "Black Hawk."
9 Long Crank of Malleable Iron.
10 Every Grain Taken from Cob Before It Is Thrown Out.

Red Chief Corn Sheller, weight 132 pounds per dozen. **$27.00**

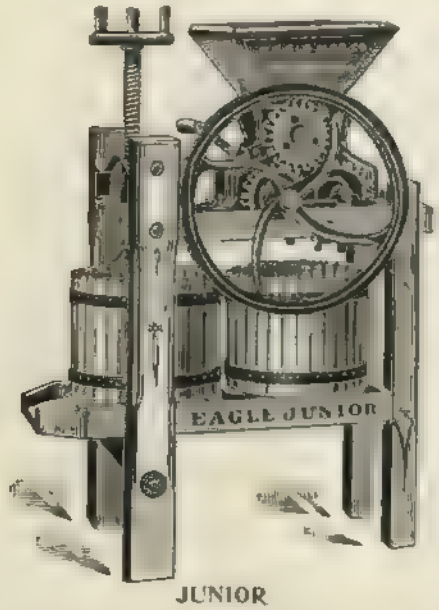
Adjusts itself to any size ear, shells clean, easy to run Clamps on barrel or box. Shells the corn without cracking the grains

Black Hawk Corn Sheller weight 162 pounds, per doz.. **$32.00**

A fast and easy running sheller favorably known to the trade.

CIDER MILLS

JUNIOR AND MEDIUM



JUNIOR

Junior Cider Mills, posts are 36 x 3½ x 2¾ inch, furnished with two tubs 10 inches high x 10½ inches inside diameter. The press screw is 1⅛ x 18½ inches long, capacity 2 to 4 barrels of cider per day, each **$20.00**

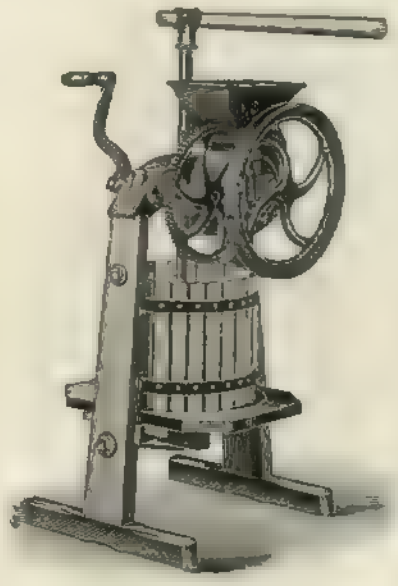
Weight 190 pounds

MEDIUM

Medium Cider Mills posts are 40 x 3⅜ x 2¼ inch, furnished with two tubs 12 inches high x 12 inches inside diameter. The press screw is 1½ x 20 inches long, hopper is 14 x 14 inches inside capacity 3 to 6 barrels of cider per day, each..... **26.00**

Weight 238 pounds.

CANT-CLOG



Cant-Clog Cider Mills, each **$16.00**

This is a first class single tub cider mill and wine press for family use. It grinds apples either large or small, and is the only single tub mill on the market that will accomplish this work. It will not be necessary to halve or quarter the apples for this mill. The best results are obtained by feeding steadily, and not overcrowding the hopper. The mill is easy to keep clean, as the roller can be removed for washing, by simply removing the two cap screws and sliding the roller out. Capacity one to two barrels a day. Tube 12 inches high, 12 inches inside diameter, 1½ inch steel press screws. It is strongly constructed of the best material, neatly finished.

Weight 145 pounds

SCALE BEAMS

Japanned, Striped With Bronze

Complete with Poises

Capacity, pounds	150	200	250	300	400	500	600	700
Weight each, pounds	9½	11	15½	18	30½	33	37½	40
Each	$1 25	1 60	1 90	2 10	2 90	3 50	4 00	4.60

One in a package, six in a box

Separate Poises

Cast Iron, Painted

Weight, pounds	1	2	3	4	5	6	8	12	16	20	24	32
Each	$0 25	30	40	50	60	70	.85	1 10	1 50	1 70	2.40	2 90

STEELYARDS

DOMESTIC PATTERN

Steel Bar

Capacity, pounds.	50 x 1 oz.	100 x 2 ozs.	150 x 4 ozs	200 x 4 ozs
Weight per dozen, pounds	40	55	64	90
Per dozen	$6.00	7.00	9.00	10 00

Hart's Pattern

Capacity, pounds	50 x 1 oz	100 x 2 oz.	150 x 4 oz
Weight per dozen, pounds	40	55	64
Per dozen	$9.00	10.00	12 00
Capacity, pounds	200 x 4 oz.	250 x 4 oz	300 x 4 oz
Weight per dozen, pounds	90	100	110
Per dozen	$15.00	18 00	21 00

Half dozen in a box

*Not carried in stock; can be shipped promptly from factory

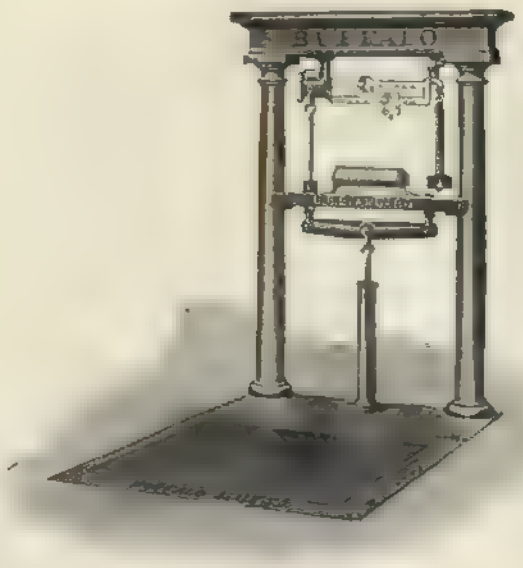
*COTTON SCALES

Complete outfit consisting of frame, beam, 16 pound poise, chain, overhead, set of cotton hooks and balance poise for hooks, galvanized beam light and durable

Complete outfit, weight about 150 pounds capacity 700 pounds each $50 00

*DORMANT SCALES

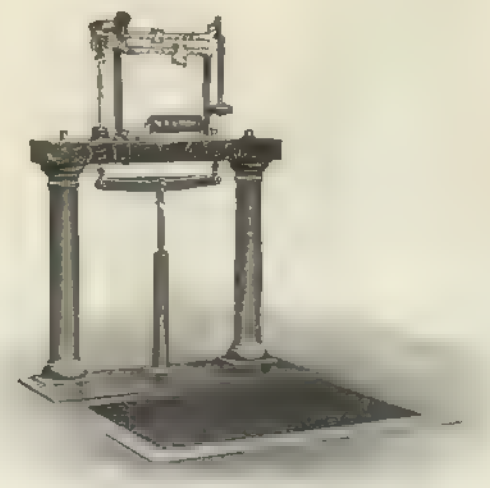
BUFFALO TWO PILLAR



Two iron pillars, double beam and graduated counterpoise, bronzed pillars, extra heavy construction.

No.	Capacity, Lbs.	Platform Ins.	Weight, Lbs.	Each
1721	2500 x ½	46 x 37	775	$113.00
1723	3500 x ½	44 x 42	945	133.00
1727	5000 x ½	50 x 48	1350	180.00

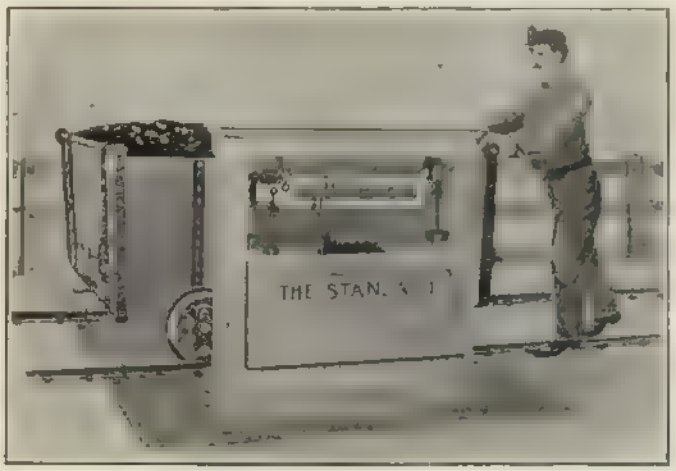
BUFFALO SHORT PILLAR



Short iron pillars, hardwood shelf, double brass beam, extra heavy construction

No.	Capacity Lbs.	Platform Ins.	Weight, Lbs.	Each
1735	2500 x ½	46 x 37	700	$103.00
1737	3500 x ½	44 x 42	875	118.00
1739	5000 x ½	50 x 48	1275	160.00

*MINE OR TIPPLE SCALES



For weighing mine car of coal or ore at the mines

No.	Capacity Tons	Platform Inches	Single Beam	Double Beam
2166	3	48 x 49¼	$155.00	163 50
2190	3	60 x 60¾	155.00	163 50
2145	4	48 x 121¼	170 00	180 00
2188	4	72 x 59¼	170 00	180 00
2162	5	84 x 57¼	185.00	195.00
2184	6	72 x 59¼	205 00	215 00
2074	6	96 x 72⅝	215.00	225 00
2072	8	96 x 72⅝	250.00	260.00
2156	10	120 x 48	280.00	290.00

*Not carried in stock, can be shipped promptly from factory

*QUICK WEIGHING DIALS

For use in connection with "The Standard" scales for weighing coal in draughts up to 5,000 pounds, by 50 pounds. For various purposes, within a reasonable limit of accuracy of 1 per cent it can be applied to portable, dormant, depot, warehouse and wagon scales. Dials 2500 x 25 pounds.

The action of indicating the weight is automatic. The hand on dial points in quiet and steady motion to the proper figure, without that vibration common to spring scales, and returns to the zero mark when the load leaves the platform of scale. A dash pot at the end of beam takes care of all vibration arising from rapid use of scale.

Price with scale, $55.00 extra.

CROQUET SETS

No. 0.

Per Set

No. 0—Eight Ball Set, Well Painted and Oiled, Short Mallets, Galvanized Wire Wickets, Complete with Rules for Playing, in Good Lock-Cornered Box with Handle .....$....

The best cheap set possible to produce for the money.

No. H—Eight Ball Set, Well Painted and Varnished, Nice Stock, Wire Wickets, Complete with Rules for Playing in Good Box....$....

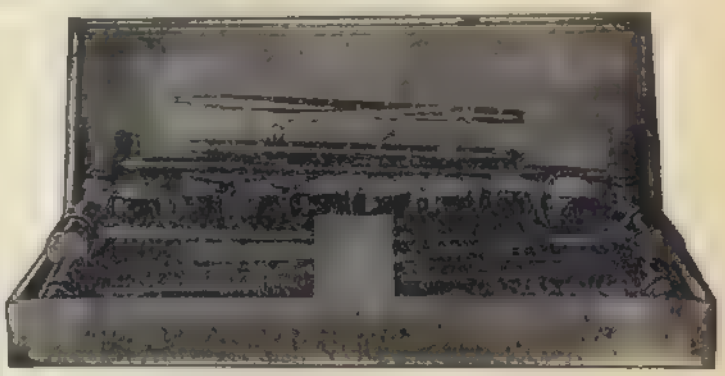
Weight Per Crate 61 Pounds.

Three Sets in a Crate

Per Set

No. C—Eight Ball Set, 5½ in. Fancy Design Mallets, Selected Handles, Fancy Stakes, Large Galvanized Wickets with Sockets, Nicely Painted and Varnished, Complete with Book of Rules for Playing, in a Neat Box with Handle .....$....

A very popular set with the ladies.
Weight Per Crate 66 Pounds
Three Sets in a Crate.



No. C.

No N

Per Set

No. N—Eight Ball Set, 6 in. Very Fancy Painted Selected Wood Mallets, Choice Handles and Balls, Large Fancy Stakes, Large Galvanized Wire Wickets with Socket, Complete with Book of Rules for Playing, in a Neat Strong Box .....$....

The most popular set.
Weight Per Crate 76 Pounds.
Three Sets in a Crate

Per Set

No. AA—Eight Ball Club Set, Long 8 in. Mallets, Polished Professional Handles, Fancy Beaded Stakes Mallets and Balls Made of Best Selected Sugar Maple, Mallets Painted with One Wide Band and Six Small Stripes, Fine Square Arch Wickets with Sockets, Mallets and Balls Wrapped in Fine Tissue Paper, Complete with Book of Rules for Playing, in Strong Box.....$....

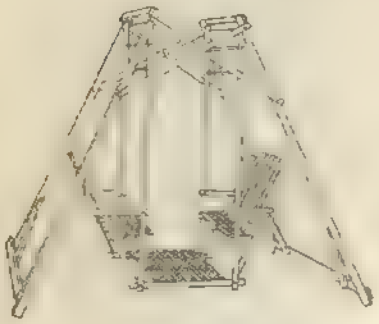
The best set that can be made of native wood. A fine and popular set.

Weight Per Crate 100 Pounds

Three Sets in a Crate.

No AA.

LAWN SWINGS



HERCULES

Made of Selected Material Throughout, Full Bolted, Adjustable Seats, Painted Red and Natural Varnished.

	Each
No. 4—Four Passenger, Height 8 ft. Spread 10 ft. Seat Capacity between Hangers 32 in.	$.

EAGLE STEEL

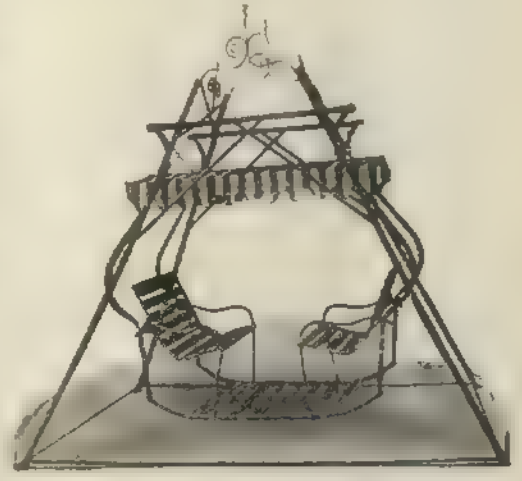
High Carbon Steel Frame.

	Each
No. 4—Four Passenger, Length 8 ft., Width 5½ ft., Height 7 ft. 4 in., Full Swinging Space 12 ft., Width of Seat 30 in., Height of Seat from Platform 17 in., Weight 200 Lbs.	$21.25

The slats for seats and platform are of selected hardwood. Nicely finished

This swing may be used as a swing, a reclining chair, or thrown perfectly flat for a couch.

Fitted with canopy top over the seats which may be removed by simply unfastening four hooks from the frame.



EXTRAS

A neat table that may be placed between the seats; adjustable steel head rests that may be raised, lowered or removed, which fasten to the back of the seat; side and end curtains if it is to be used as a couch at home or in the camp.

Table Complete	Each	$5 00
Adjustable Steel Head Rests	Per Set	1 25
Side Shades—31 in. Wide	Each	2 50
End Shades—31 in. Wide	Each	2 23

SETTEES

POPULAR ORNAMENTAL

Frames is of Flat Round Edge Steel 1½ x ¼ in., Seat and Back of Seasoned Maple, Firmly Bolted, Highly Varnished.

Nos.	40	50
Length, Feet	4	5
Weight Each, Lbs.	65	75
Each	$7 00	8 00

IDEAL PARK

Steel Frame and Arm Rests, Seasoned Maple Slats, Firmly Bolted, Highly Varnished in the Natural Wood.

	Each
No. 4—Length 4 ft., for Yard, Porch or Inside Use. Weight Each 50 Lbs.	$5.50

CROQUET

"STANDARD BRAND"

Manufactured by South Bend Toy Manufacturing Co., South Bend, Ind

This Croquet Represents Highest Quality in Croquet Line. Made on Improved Method Especially Designed for the Purpose and the Same Careful Attention Given to the Lower Grades as to the Higher. We Use Nothing but the Best Selected Materials in the Different Grades, and the Balls Especially are Turned from Perfect Timber, Free from Knots, Cracks and other Imperfections.

FOUR BALL

Per Set

No. 65—Plain Set; Mallets Oiled; Balls and Stakes Varnished; Nine Arches, with Hook. Weight per Set 14 lbs. $2 50

SIX BALL

Per Set

No. 10—Plain Set, Mallets Oiled, Balls and Stakes Varnished; Ten Arches, with Hook. Weight per Set 17 lbs. $2 90

EIGHT BALL

Per Set

No. A—Plain Set, Mallets Oiled, Balls and Stakes Varnished; Ten Arches, with Hook. Weight, per Set 20 lbs. $3 20

EIGHT BALL SETS

Per Set

No. 1—Handles, Balls and Mallets Painted and Striped; Heavy Galvanized Arches; Two Large Stakes; a Neatly Finished Set; Weight per Set 26 lbs. $3 70

Per Set

No. XA—All Parts Varnished; Mallets Banner; Two Eight Colored Stakes for Arches with Rods. Weight per Set 25 lbs. $3 30

Per Set

No. 2—Mallets Natural Finish, Handles and Mallets Painted and Striped; Two Large Fancy Stakes; Heavy Galvanized Arches; Weight per Set 30 lbs. $4 50

Per Set

No. 3—A Very Handsome Maple Set; Shellac Finish, with Fancy Mallets, Six Inches Long; Striped Handles and Balls; Two Elegant Beaded Stakes; Heavy Arches with Sockets; Select Material in Every Part. Weight per Set 37 lbs. $6.00

Per Set

No. 4—An Elegant Set with Shellac Finish, Eight Fancy Striped Ebonized and Bronzed Mallets, Six Inches Long; Handles and Balls Beautifully Painted and Striped, Two Elegant Beaded Stakes; Heavy Arches, with Sockets; Weight per Set 38 lbs. $5.00

PROFESSIONAL SETS

Per Set

No. 6—Four Eight Inch Mallets, Short Striped Handles Two Large Stakes, Heavy Galvanized Arches, a Very Popular Set, Weight per Set 19 lbs. $4 20

Per Set

No. 7 Four Eight Inch Mallets, with Short Handles, Striped Balls and Mallets. Two Large Handsome Stakes; Heavy Arches, with Sockets a Desirable Set for Expert Players. Weigh per Set 17 lbs. $6 00

Per Set

No. 8 Four Nine Inch Mallets, Handsomely Turned Short Handles Beaded and Striped Shellac and Lacquer Finish Two Elegant Beaded Stakes Heavy Arches, with Sockets, Striped Balls and Exceptionally Fine Set Weight per Set 28 lbs. $7 60

Cut Shows Style of Box in Which all of Our Croquet is Packed

Every Set of Croquet Contains a Book of Instructions and Rules

One Set in a Dovetailed, Hasped Cover Wood Box; Three Boxes in a Crate

"DIAMOND EDGE IS A QUALITY PLEDGE"

HAMMOCKS

ECLAT

We Especially Call Your Attention to Our New Line of Hammocks, which Includes Many Entirely New Patterns and Colorings of the Very Highest Achievements, which will do Much to Emphasize Our Individuality. We are Presenting a Large and Well Chosen Assortment of Patterns and Harmonious Colorings of the very Latest Designs.

All Eclat Hammocks Incorporate Exclusive Features of Mechanical Construction. Three Extra Stringing Cords, Patent Millforde Spreader Fasteners, Superior Workmanship.

DETAILS OF OUR CONSTRUCTION

Often of Apparently Minor Importance but All Important in Strength and Finish

Cut No. 3 Its Application as it Appears from the Front. Patent Secured

Cut No. 1 The Casting. Patent Secured

Cut No. 2 Its Application as it Appears from the Back. Patent Secured

WE CAN RIGHTLY CLAIM THAT THESE METHODS ARE THE VERY BEST ON THE MARKET. THEY HAVE STOOD THE TEST

One of Our Greatest Improvements is the Remedying of that Common Trouble, the Pulling Away of the Hammock Cloth from the Wide Head Spreader. This Defect Not Only Causes a Slovenly Appearance, But Also Very Much Weakens the Entire Hammock by the Loss of the End Support.

The Illustration Here Given Shows You the Value of this Improvement.

Cut No. 1 Shows You the Casting, which is of the Best Malleable Iron, Nickel Plated. The Prongs are Driven Through the Cloth, Grasping Spreader Holding the Cloth and Spreader Together in Four Distinct Places.

They are Closely Beat Together, Making it Impossible to Pull the Cloth and Spreader Apart.

Cut No. 4. Correct Method of Stringing

Thus the Reinforcing of the Stringing Cords is a Necessity, You Can Well See. We Have Studied this and the Result is Three Extra Stringing Cords Attached to the Spreader End Castings, and the Doubling of the Center Cords.

In Addition, on Each Hammock with Divided Suspension We have the Center Pull-Thru, the Angle Pull on the Warp Pulley Threads, which is the Universal Method, Causes Additional Tension, is Readily Apparent. We Have Brought the Tension on the Doubled Stringing Ropes, where it Belongs.

Illustration No. 4 Fully Shows You Our Excellent Stringing Method

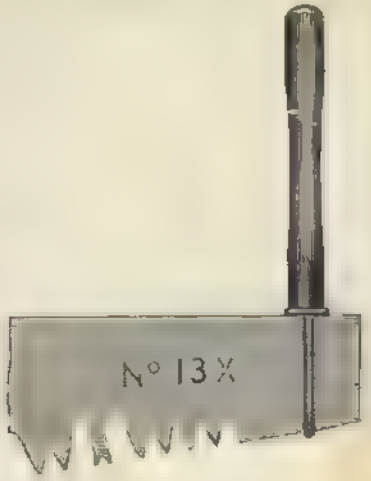
CROSS CUT SAW HANDLES

ATKINS'

No. 28

Eight inch Beech Handle, 4 inch wrought iron loop, rivet and nut in one piece, loop extends through handle.

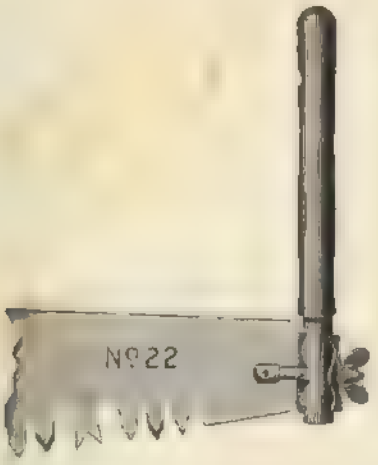
No. 28 Weight per pair 2 pounds, per pair $0.60



No. 13X, Loop Handle

Selected Hardwood Handle, cast steel socket, electric welded loop.

No. 13X Weight per pair 1¾ pounds, per pair..... $0.30



No. 22, Reversible Handle

Special Selected Hardwood Handle, malleable cast and washer steel bolt

No. 22 Weight per pair 2 pounds, per pair $0.55

No. 21, Climax Pattern

Hardwood handle, heavy cast steel clasp and washer, malleable iron bolt with lock washer.

No. 21 Weight per pair 2 pounds, per pair $0.14

No. 1, Loop Handle

Selected Hardwood Handle, cast steel socket, extra heavy electric welded loop.

No. 1 Weight per pair 2¼ pounds, per pair $0.36

No. 3, Loop Handle

Selected Hardwood Handle, malleable iron swivel socket, electric welded loop.

No. 3 Weight per pair 2¼ pounds, per pair $0.24

No. 2, One-Man

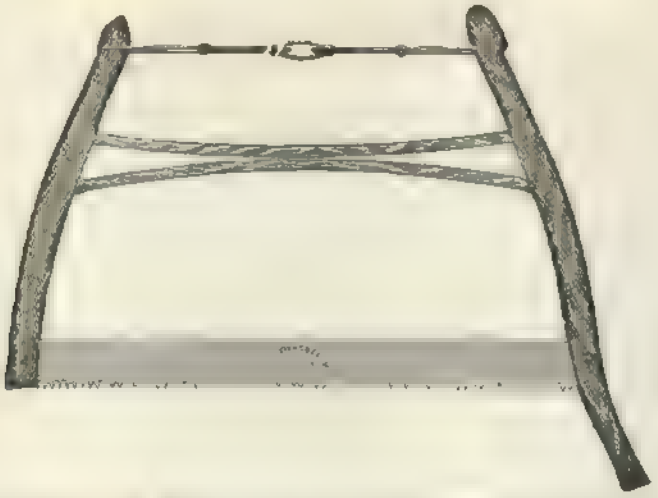
One Man Saw Handle, selected hardwood, varnished edges.

No. 2 Weight per dozen 7 pounds, per dozen..... $3.00

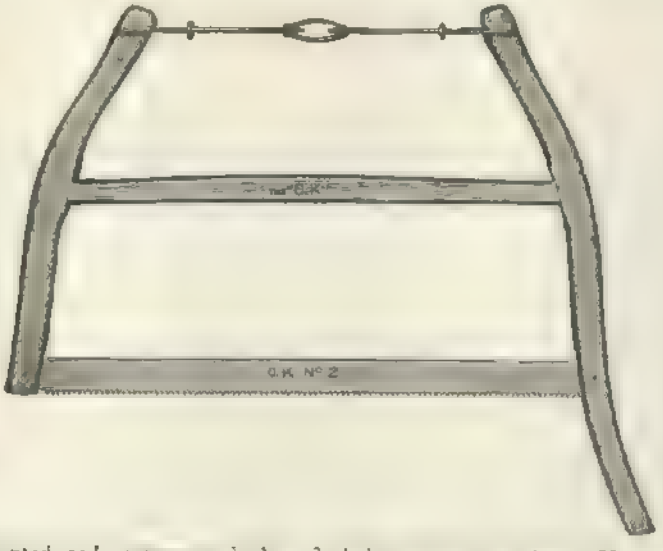
Supplementary Handle for One-Man Saw

Selected hardwood, steel ferrule, malleable iron bolt with lock rivet. weight per dozen 4 pounds, per dozen..... $1.75

WOOD SAWS

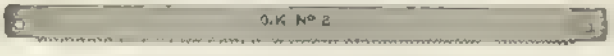


No. 605 Atkins wood brace frame, painted red, clipper rod, No. 5 blade, weight per dozen 60 pounds . . . . . per dozen, $13.85
No. 617 Atkins wood brace frame, painted red, clipper rod, No. 17 blade, weight per dozen 60 pounds . . . . per dozen, 10.10

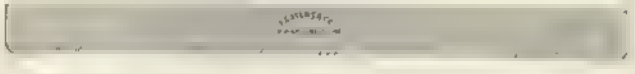


No. 302 Atkins O. K. frame, painted red, clipper rod, No. 2 blade, weight per dozen 55 pounds . . . . . per dozen $8.65

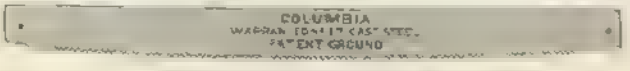
WOOD SAW BLADES



No. 2 Plain teeth, straight blade, bright, 2 x 30 inches, weight per dozen 7 pounds. . . . . per dozen, $4.50



No. 5 Diamond teeth, straight blade, bright, 2 x 30 inches, weight per dozen 7 pounds . . . . . per dozen, $9.50



No. 17 Plain teeth, breasted, bright, 2¼ x 30 inches, weight per dozen 7 pounds . . . . . per dozen $5.75

Fine Imported Cottage Barometers, Miniature Cuckoo and Novelty Clocks

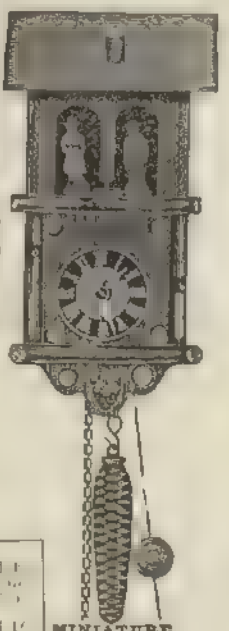
All Clocks Securely Packed so as to Insure Safe Delivery

COTTAGE BAROMETER (Wetterhausle) Made of wood, fully carved with gravel roof and Barometer below. Height 6½ inches, width 4½ inches, depth 3 inches. Shows the weather six to eight hours ahead. In fine weather only appears. In bad weather only appears.
No. 11T10 ..Each, $2.00

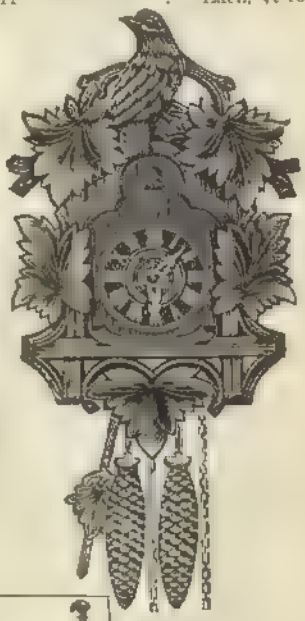
COTTAGE BAROMETER (Wetterhausle) All of nicely carved wood with fine enamel finish, 9 inches wide, 7 inches high, 3 inches deep. Shows the weather six to eight hours ahead. In fine weather only appears. In bad weather only appears.
No. 11T11 . . Each, $2.75

Prices Each

MINIATURE CLOCK
Height, 7 inches; width, 4½ inches; wood frame; 8-day movement; strikes the hours on wire gong. Weights and pendulum.
No. 11T3 . . . Each, $1.10



MINIATURE CLOCK WITH BAROMETER
Height 7 inches, width 4½ inches, depth 3 inches; fancy wood frame, hand carved case. Has 8-day movement and strikes the hours on wire gong. Shows the weather six to eight hours ahead. In fine weather only appears. In bad weather only appears.
No. 11T4 . . . Each, $2.00



MINIATURE CUCKOO CLOCK
Height 7 inches, width 5½ inches, dial 3¼ inches, half hour cuckoo call, imitation walnut case, small size movement, with pendulum and two weights in striking box. A reliable clock for the money.
No. 11T14 . . . Each $2.00

ACROBAT CLOCK
This clock performs various stunts in very lifelike manner one of the best window attractions ever made; clock movement, twenty-four hour time, acrobat runs three hours with one winding, oak case, height 11 inches.
No. 11T15 . . . . . Each, $14.65

GLOBE CLOCK
Height 17 inches, height to face 11 inches, in clamp case with base 6½ inches by 4½ inches. The globe moves around once in twenty-four hours, showing the correct time of every city in the world.
No. 11T16 . . . Each, $20.85

FOUNTAIN CLOCK
Walnut case, height 24 inches, ivory finished dial, 8 inches in diameter. The fountain is a very good imitation of running water and will run for about five hours with one winding.
No. 11T17 . . . Each $18.50

Fine Imported Kitchen, Dining Room, Desk, Regulator and Traveling Clocks

Prices Each

KITCHEN CLOCK

Porcelain enameled front, 8½ inches; Dutch designs in blue Delft, one-day lever time movement, dust and damp proof, natural landscape colors.

No. 11702 ..... Each $4.60

DESK CLOCK

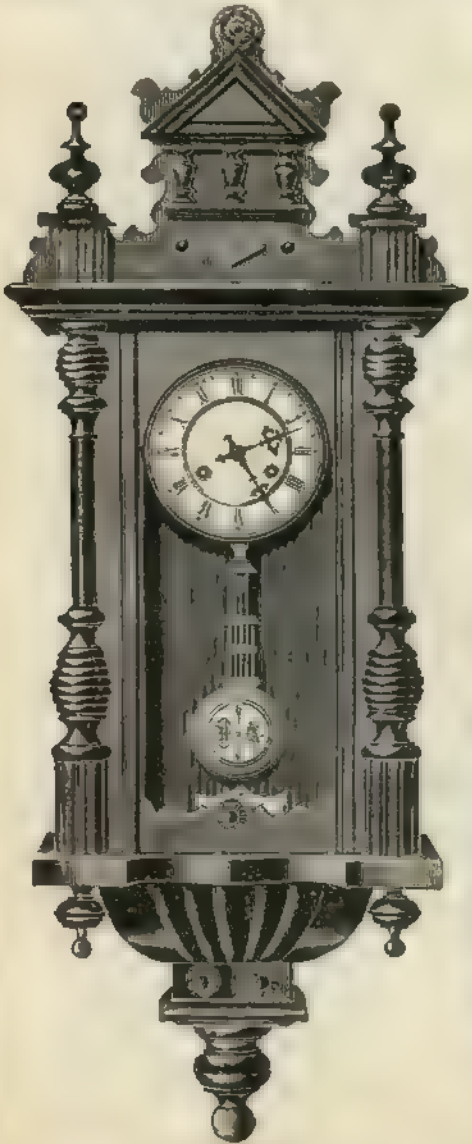
Nickel plated wood base, with marble slab for memorandum, height 4½ inches, 2-inch silver plated dial, one-day time.

No. 11703 ..... Each, $3.25

DINING ROOM CLOCK

Case made of weathered oak with copper front, height 26 inches, width, 12 inches, dial, 6 inches; dial, pendulum and weights of oxidized copper, engraved, eight-day weight movement, half-hour strike on dome gong.

No. 11706 ..... Each, $55.60



REGULATOR

Polished walnut case, height 37 inches, width 14 inches; 6-inch porcelain dial; fourteen-day, half-hour strike gong.

No. 11707 ..... Each, $20.15

DESK CLOCK

Nickel-plated or copper-plated case; height, 4 inches, 2-inch dial; one-day time.

No. 11704 ..... Each, $2.40

DESK CLOCK

Same clock as above in solid brush brass case.

No. 11705 ..... Each $2.80

KITCHEN CLOCK

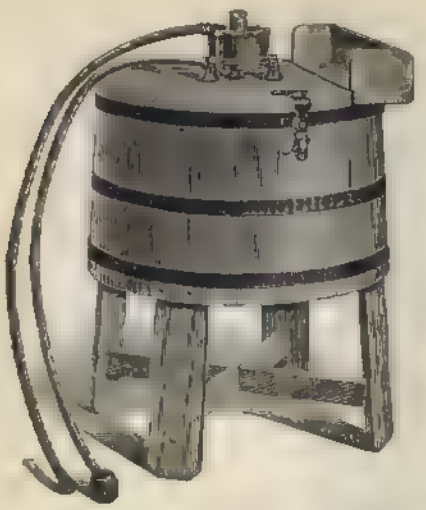
Porcelain enameled dial 9 inches, oak or gray frame 12½ inches, Dutch designs or blue Delft figures; one-day, lever time movement, dust and damp proof.

No. 11708 ..... Each, $6.00

ALBA FRENCH TRAVELING CLOCK

Gold-plated case; height of clock, 4½ inches, without handle, eight-day time, cylinder French movement, beveled glass on four sides and top; leatherette case.

No. 11709 ..... Each, $12.25



WASHING MACHINES

DAUNTLESS WATER MOTOR

Each

Dauntless—Family Size, Selected Red Cypress Tub, Varnished, Corrugated Inside Sides and Bottom, Strong Brass Motor, Bolted Hardwood Legs, Strong Two-Ply Lid, Three Extra Heavy Steel Hoops, Complete with Inlet and Outlet Hose.....$.

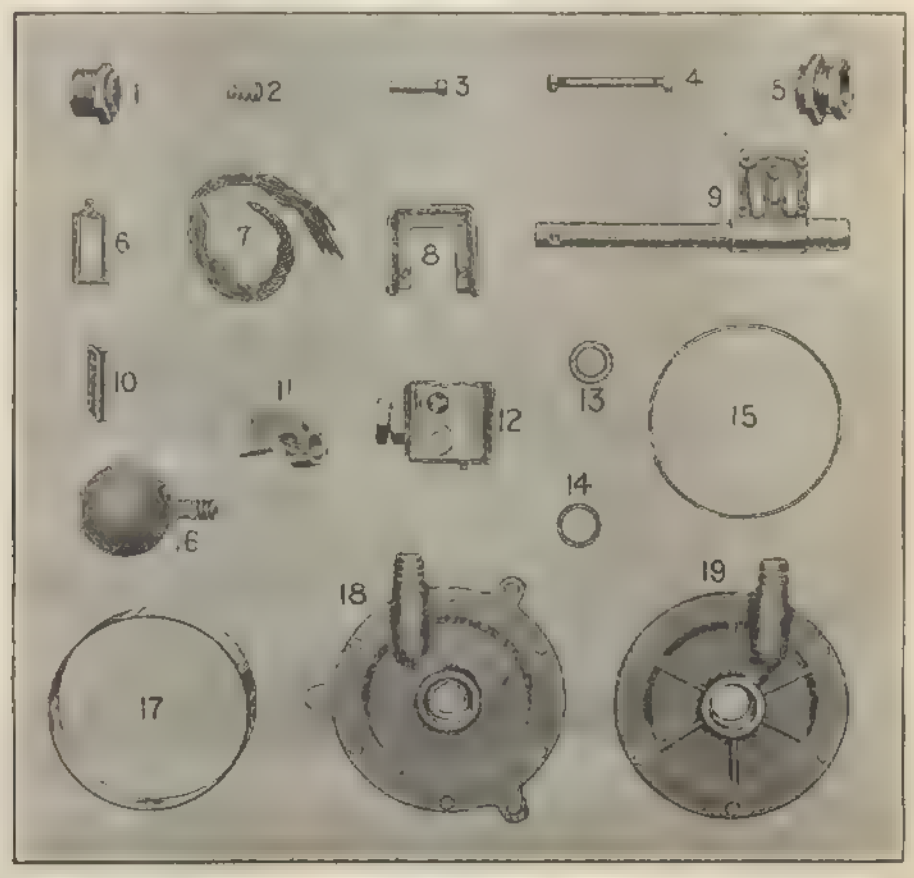
This machine is equipped with a low-pressure, gearless motor, strongly built from brass and placed centrally over the load. The great leverage obtained allows the motor to carry the load with ease on a low water pressure. The water, after passing through the motor is perfectly clean and may be used for rinsing, bluing, etc

The outlet hose is provided with a weight which holds it in the sink or tub while motor is in operation.

The Dasher in this machine is of the non-tearing type and there is no danger of clothes getting cut or torn.

Weight Each Crated 75 Pounds

EXTRA PARTS FOR DAUNTLESS WATER MOTOR WASHING MACHINES



		Each
No. 1	Top Head Stuffing Box	$0 30
No. 2	Spring	.05
No. 3	Spring Cup Pin	.06
No. 4	Bolt and Nuts for Holding Motor Together	10
No. 5	Lower Stuffing Box and Lock Nut	.35
No. 6	Leather for Valve Chamber End	10
No 7	Stuffing Box Packing	10
No. 8	Piston Leather	35
No. 9	Piston	1 80
No. 10	Valve Chamber Abutment Leather	14
No. 11	Spring Cup	$0 24
No. 12	Valve Chamber, Complete	2 25
No 13	Lower Stuffing Box Leather Washer	03
No. 14	Top Stuffing Box Leather Washer	03
No. 15	Lead Packing for Heads	.05
No. 16	Improved Splasher for End of Outlet Hose	.20
No. 17	Cylinder	1 22
No. 18	Lower Head	2 95
No. 19	Top Head	2 95

WASHING MACHINES

MAGIC WATER MOTOR

Each

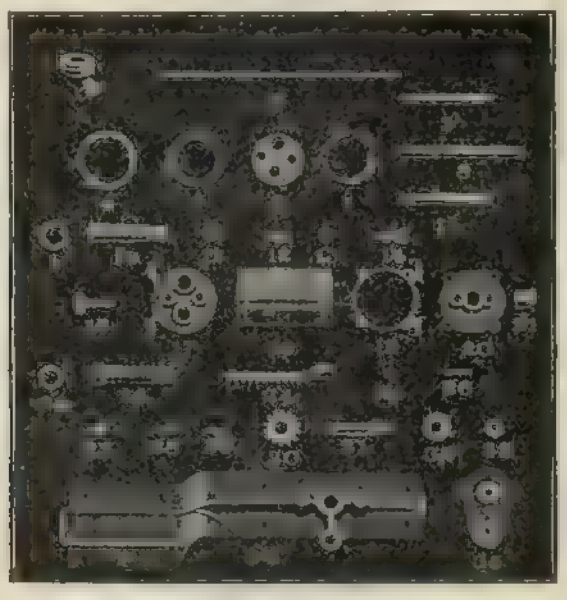
Magic Motor—Family Size, Selected Louisiana Cypress Tub, Varnished, Corrugated Inside Sides and Bottom. Brass Motor is Perfectly Machined and has Black Enameled Gear Guard, Bolted Hardwood Legs, Two-Ply Over-Lapping Lid, Galvanized Tub Trimmings, Three Extra Heavy Steel Hoops, Complete with Wire Wound Inlet and Outlet Hose . . . . . $ . .

Will operate successfully with a pressure of 30 pounds or over. The motor is made of brass and is perfectly machined. There are no small parts to get out of order and all parts are easily accessible. A large roller keeps the rack bar, which operates the agitator shaft, firmly in line. The top of this roller is concaved slightly in order to retain a small quantity of oil, thus keeping the shaft upon which it turns constantly lubricated. There are but three places that require oiling on this motor. A simple device for draining the motor is provided for use when it is necessary to keep the machine where it is apt to freeze during cold weather.

All working parts are carefully guarded so that there is not the least danger of the operator's clothes coming in contact with them.

Weight Each Crated 76 Pounds

EXTRA PARTS FOR MAGIC WATER MOTOR WASHING MACHINES



		Each
No. 1	—Royal Connection for Smooth Faucet	$0.50
No. 2	—Piston Rod Packing	.05
No. 3	—½ in. Exhaust Tube	.25
No. 4	—Cylinder Head Gasket	.05
No. 5	—Cup Leather for Piston	.15
No. 6	—Piston	1.00
No. 7	—Cup Leather Ring	.30
No. 8	—½ in. Piston Rod	.30
No. 9	—Hose Connection for Outlet Pipe	.10
No. 10	—Outlet Pipe	.50
No. 11	—Hexagon Inlet Valve Seat Nut	15
No. 12	—Inlet Valve	25
No. 13	—Exhaust Valve Seat	.10
No. 14	—Exhaust Valve	.25
No. 15	—½ in Tube	25
No. 16	Drain Plug	10
No. 17	—Back Cylinder Head	1.00
No. 18	—Cylinder	1.00
No 19	—Bracket Ring for Cylinder	.50
No. 20	—Front Cylinder Head	.85
No. 21	—Packing Nut for Piston Rod	.15
No. 22	—Lock Nut	10
No. 23	—Inlet Pipe	$0.50
No. 24	—Gear Rack	50
No. 25	—Brass Screw for Inlet Valve Seat Nut	02
No. 26	—Pin for Gear	02
No. 27	—Hexagon Nut for Spring Pin	04
No. 28	—Spring	04
No. 29	—Spring Pin	04
No. 30	—Gear	.35
No. 31	—Roller Stub	25
No. 32	—Roller	.25
No. 33	Hexagon Nut for Gear Guard	05
No. 34	—Base Casting for Motor	1.25
No. 35	—Gear Guard	25
No. 36	—Inlet Hose (not Illustrated)	.60
No. 37	Outlet Hose (not Illustrated)	.50
No. 38	—Lid Fastener (not Illustrated)	.15
No. 39	—Side Handle with Plate (not Illustrated)	.10
No. 40	—Small Collar for Dasher (not Illustrated)	.05
No. 41	—Large Collar for Dasher (not Illustrated)	.10
No. 42	—Cap or Shield for Dasher (not Illustrated)	.10
No. 43	—Inside Wheel or Dasher (not Illustrated)	.35

FOOTBALLS

*DIAMOND BRAND

In Our Diamond Brand Foot Balls we Have Constructed Quality. Every Part of the Best Leather in Each Grade is Used, the Most Thorough Inspection is Exercised in Each Ball before it Leaves the Factory, thereby Insuring Strength, Perfect Shape and Best Finish, Guaranteed to Stand Hard Usage

RUGBY

American Regulation Size, 27 Inches; Waxed Seams, Sewed with Linen Thread, Full Lined, Hand Finished, Best Quality, Two-piece Pure Gum, Inspected Bladders in Each

	Per Dozen
No. 1000—Varsity Complete with Lacing Needle, Made of the Most Select Pliable Selected Stock Recommended by Colleges and Universities, True in all Proportions and Perfectly Symmetrical, Full Distended and Absolutely Even; Every Ball Warranted, Weight per Dozen 43 lbs.	$90 00
No. 100—Inter-Collegiate Complete with Lacing Needles, Extra Heavy, Pebble Calf Leather, a Good Practice Ball for Professionals, Weight per Dozen 40 lbs.	68 00
No. 100½—High School, Good Quality Pebble Calf Leather, Weight per Dozen 2 lbs.	54 00

Twelfth Dozen in a Box

English Regulation Size, 27 Inches, Welted Seamed Sewed with Linen Thread, Full Lined, Best Quality, Two-piece Composition, Inspected Bladders in Each

	Per Dozen
No. 101—Regulation, Heavy Pebble Cowhide Leather, Weight per Dozen 52 lbs.	$45 00
No. 101½—Good Quality Pebble Calf Leather, Wt. Per Doz. 47 lbs.	32 00
No. 102—Pebble Siamese Leather, Weight per Dozen 40½ lbs.	27 00
No. 103—Good Quality Pebbled Leather, Weight per Dozen 36 lbs.	20 00
No. 104—Fair Quality Split Pebbled Leather, Weight per Dozen 30 lbs.	17 00

ASSOCIATION

English, Regulation Size, 27 Inches, Welted Seams, Sewed with Linen Thread, Full Lined

Best Quality, Two-piece Pure Gum Inspected Bladders in Each

	Per Dozen
No. 200—Grade, Complete with Lacing Needle; Weight Per Dozen 36 lbs.	$36 00
No. 200—Regulation, Complete with Lacing Needle; Weight per Dozen 42 lbs.	54 00

No. 200—Best Quality, Pebble Siamese Composition, Inspected Bladder, Hand Lined

	Per Dozen
No. 201—Regulation, Pebble Siamese Leather, Weight per Dozen 33 lbs.	$42 00
No. 202—Junior Association, Good Quality, Brown Pebble Grained Leather, Weight per Dozen 30 lbs.	30 00

Twelfth Dozen in Box

STANDARD RUBBER

Best Quality Black Rubber Heavy Corrugated, Canvas Seams, Complete with Key

No.	1	2	3	4	5	6
Length Inflated, Inches	8	9	10	11	12	13
Circumference Around Ends	24	27	29	32	34	37
Weight per Dozen Lbs.	9	10	11	12	13	14
Each	10 00	12 00	13 50	15 00	18 00	20 00

Same

EXTRA KEYS FOR RUBBER FOOTBALLS

No. EK—Brass Tube, Length 1¼ Inches, Weight per Dozen 1 oz.

Per Dozen $0 70

Same

EXTRA BLADDERS FOR LEATHER FOOTBALLS

No. 00½

ASSOCIATION

No. RB1—Pure Gum, Two-piece Bladder, Inspected and Guaranteed Strong Enough for Any Use to Which a Bladder is Ever Subjected, Extra Large

Per Dozen $12 00

Average Weight per Dozen 2 lbs.

Same

No. AB1—Pure Gum, Two-piece Bladder, Inspected and Guaranteed Strong Enough for Any Use to Which a Bladder is Ever Subjected, Regulation Size

Per Dozen $15 00

No. AB2—Composition, Two-piece, Regulation Size

$3 00

FOOTBALL GOODS

*DIAMOND BRAND

HEAD HARNESS

No. 7 Shrepskin, Black Color, Reinforced Crown Piece, Elastic Chin Strap, Weight per Dozen 6 lbs.

Per Dozen $21 60

No. 100—Best Quality Sheepskin, Tan Color, Perforated for Ventilation, Gray Felt Padded, Elastic Chin Straps Sewed with Linen Thread, Weight per Dozen 8 lbs.

Per Dozen $18 00

No. 200—Best Quality Cowhide, Tan Color, Perforated for Ventilation, Gray Felt Padded, Elastic Chin Straps, Well Made and Sewed, with Linen Thread, a Player's Absolutely Safe and Reliable Article, Weight per Dozen 8 lbs.

Per Dozen $36 00

No. 250—Sheepskin, Black Color, Reinforced for Ventilation, Leather Reinforced Crown Piece, Rear Extension Welted for Heavy Padded Back, Elastic Chin Straps, Weight per Dozen 8 lbs.

30 00

No. 250—Tan Color, Perforated for Ventilation, Elastic Chin Straps, Weight per Dozen 8 lbs.

30 00

Twelfth Dozen in a Box

SHIN GUARDS

No. 4—Men's, 15 Inch, Maroon Sheepskin Front, Canvas Back, Leather Bound, Nation Pat. Offered, Black Leather Straps, Weight per Dozen Pairs 6½ lbs.

$15 00

No. 5—Men's, 13 Inch, Maroon Canvas Front, Tan Canvas Back, Chair Shape, Padded Rear Section, Leather Straps, Weight per Dozen Pairs 7 lbs.

15 00

No. 6—Boys' 12 Inch, Heavy Tan Duck Front, Tan Canvas Back, Padded Rear Section, Leather Straps, Weight per Dozen Pairs 5 lbs.

$12 00

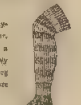
Same

SHOES

	Per Pair
No. 125—Rugby Special, Highest Grade Imported Kangaroo, Hand Lasted, Full Leather Lined, Full Leather Counters, Full Leather Box Toe, Hand Sewed, Weight per Pair 2 lbs.	$6 00
No. 135—College Special, Selected Calfskin, Tan Color, High Lace, Full Leather Lined, Hand Sewed, Screwed Soles, Weight per Pair 2 lbs.	5 00

One Pair in a Box

STOCKINGS



Our Stockings are Supplied to Any Team Ordering Them, Each Stocking is Made with a Perfect Stocking. They are Heavy Knitted, Full Fashioned, Hug the Leg Closely but Comfortably, and are Very Durable.

PLAIN COLORS

Colors: Black, Navy Blue, Maroon, Royal Blue, Scarlet, White and Green

	Per Dozen Pairs
No. 3—Extra Heavy Worsted, Fancy Ribbed	$12 00
No. 1 R—Heavy Weight Worsted Plain Ribbed	24 00
No. 2 R—Medium Weight Worsted, Plain Ribbed	20 00
No. 2—Good Weight Wool, Plain Ribbed	18 00
No. 4—Good Weight Cotton, Plain Ribbed	8 00

All Our Stockings Made with White Feet Except No. 4

FANCY STRIPED COLORS

Colors: Black and Red, Maroon and White, Orange and Black, Navy Blue and Red

	Per Dozen Pairs
No. 3-08—Extra Heavy Worsted, Fancy Ribbed	$42 00
No. 3-08—Heavy Weight Worsted Plain Ribbed	36 00
No. 2-R5—Medium Weight Wool, Plain Ribbed	21 00
No. 3 R5—Good Weight, Wool, Plain Ribbed	18 00

Any Combination of Colors not Described Above can be Furnished Direct from Factory, Chicago, Ill., at Same Prices.

Average Weight per Dozen Pairs 6 lbs.

Same

"DIAMOND EDGE IS A QUALITY PLEDGE"

FOOT BALL GOODS

*DIAMOND BRAND

MOUTH PIECES

No. 9—Best Quality Composition Rubber; Affords Absolute Protection to the Mouth and Teeth; Weight per Dozen 2 lbs . . Each $0 60

Twelfth Dozen in a Box

NOSE MASKS

Best Quality Composition Rubber; Affords Absolute Protection to the Nose, Mouth and Teeth; No Wire or Metal Used in the Construction; a Necessary on Every Foot Ball Team

With Detachable Mouth Piece		With Solid Mouth Piece	
	Per Dozen		Per Dozen
No. 8D—Boys; Weight per Dozen 5½ lbs.	$9 00	No. 8—Men's; Weight per Dozen 6 lbs.	7 00
		No. 8B—Boys; Weight per Dozen 4½ lbs.	7 00

Twelfth Dozen in a Box

Front

Side

JOCK STRAP SUSPENSORIES

No. 6—Jock Strap Suspensory; Open Weave Cotton Fabric; All Elastic; Light and Cool, When Ordering Give Waist Measure. Weight per Dozen 4 lbs . . . . . Per Dozen $11 00

ANKLE SUPPORTERS

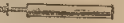
These Supporters are Worn Over Stockings, Lacing Very Tight in Center and a Little Longer at Top and Bottom. They Relieve Pain Immediately; Cure a Sprain in a Remarkably Short Time, and Not Only Strengthen, But Prevent Turning of the Ankle. They are Invaluable in Foot Ball, Base Ball and all Athletic Contests, and are Daily Recommended and Highly Endorsed by Physicians. Worn with Any Shoe. Made in all Sizes

NOTE.—Always Specify Size of Shoe Worn When Ordering

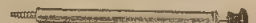
	Per Dozen Pairs		Per Dozen Pair
No. AS1—Russia Calfskin, Best Grade; Silk Stitched with Linen Laces; Weight per Dozen Pairs 2¾ lbs.	$15 00	No. AS5—Fine Calfskin, Reinforced with Whale Bone Ribs on Either Side; Nicely Bound, with Laces; Weight per Dozen Pairs 3 lbs	$36 00
No. AS2—Best Sheepskin; Linen Stitched, with Laces; Weight per Dozen Pairs 11 lbs . . .	11 00		

Loose

FOOT BALL INFLATORS



POCKET SIZE



CLUB SIZE

	Per Dozen		Per Dozen
No. 8—Nickel Plated Brass Barrel Size 8¾x¾ inches; Length Once All When Closed 7½ inches; Convenient in Size and Quick in Action; Weight per Dozen 1½ lbs. .	$4 00	No. 81—Brass Barrel, Polished; Size 9x1 inches; Length, Over All when Closed 13 Inches; Very Powerful, for College and Club Use; Weight per Dozen 3 lbs.	7 00

Loose

FOOT BALL CLOTHING

*DIAMOND BRAND

In the Manufacture of Our Diamond Brand Foot Ball Cloth ng, we Use only the Best Quality Material in the r Respective Grades, and Every Effort is Used to Make our Clothing Durable, to Stand the Wear and Tear, and are Extra Stayed. Our Clothing has Bound and Double Seams, Hand Made Eyelets, Sewed with Linen Thread and Finished in the Best Workmanlike Manner

†UNION SUITS

Made to Order Only; Any Size

Per Dozen

No. 100—Men's; Gent Khaki Cloth, Padded Hips and Knees; Sateen Thigh Guards; Wide Elastic Belt; Close Fitting Jacket with Large Arm Holes; Weight Each About 5 lbs $108 00

One in a Package

No. 50LP

†SHOULDER PADS

Per Dozen

No. 50LP—Made of Soft Brown Leather; Heavily Padded with Felt; Reinforced over Shoulders with Strap Leather; Adjustable to Fit all Players; Affords Perfect Protection to the Shoulders, Loins and Upper Arms; Light Flexible and Comfortable; Can be Worn Either Under or Over the Jersey or Jacket; the Most Popular and Best Pad per Inventor; Weight per Dozen About 6 lbs $44 00

No. 5P—Shoulder Pads, Made of Soft Tan Leather and Duck; Well Padded and Quilted; Weight per Dozen About 3 lbs. . . 8 00

No. 5P—Elbow Pads, Made of Soft Tanned Leather and Duck, Well Padded and Quilted; Weight per Dozen About 2½ lbs. . 3 00

Loose

Nos. 15K-30K 30M

No. 6T and 10T

†PANTS

Made to Order Only

	Per Dozen Pairs		Per Dozen Pairs
No. 15K—Men's Khaki Duck, Padded Hips and Knees; Rattan Thigh Guards; any Size; Weight per Dozen Pairs About 24 lbs	$30 00	No. 6T—Boys' Tan Duck, Padded Hips and Knees; Sizes from 24 to 30 inch Waist; Weight per Dozen Pairs About 20 lbs .	$27 00
No. 30K—Men's Genuine Khaki Cloth, Padded Hips and Knees; Rattan Thigh Guards; any Size, Weight per Dozen About 30 lbs	33 00		
No. 30M—Men's Best Quality Melankin Cloth, Drab or Light Olive Green Colors; Felt Padded Hips and Knees; Rattan Thigh Guards; any Size; Weight per Dozen About 30 lbs.	60 00	No. 10T—Men's, Tan Drill, Padded Hips and Knees; Sizes from 30 to 38 inch Waist; Weight per Dozen Pairs About 30 lbs. . . .	39 00

Twelfth Dozen Pairs in a Package

Twelfth Dozen Pairs in a Package

†Owing to the Great Variety of Sizes, Styles of Padding, etc., it Usually Requires about Ten Days to Fill Orders on Foot Ball Clothing

"DIAMOND EDGE IS A QUALITY PLEDGE"

WRAPPING PAPER PRINTED FREE OF CHARGE

We show the following designs to be used in Printing Wrapping Paper. The Customers Name, Card and Address is set up in prominent type. In ordering designate which of these designs shall be used.

JOY
SANTA CLAUS
IS COMING
"Fewer Gifts"-but "Better Gifts," is the sensible view of Gift Making. For this reason we have provided the better goods that so satisfy and are so appreciated.
"DIAMOND EDGE IS A QUALITY PLEDGE"
"DIAMOND EDGE IS A QUALITY PLEDGE"

DESIGN S

DESIGN T

NAIL BAGS

★NORLEIGH DIAMOND
Genuine Sisalkraft Reg. Paper

Nos.	NDB	ND5	ND10	ND15	ND25	ND50
Capacity, Lbs.	3	5	10	16	20	25
Package Contains	500	400	250	200	200	200
Weight, Package, Lbs.	8	11½	17	22	33	35
Per 1000	$6.00	5.00	7.00	10.00	11.00	12.00

★TRIUMPH
Extra Quality Pure Sulphite Paper

Nos.	T3	T5	T10	T16	T20	T25
Capacity, Lbs.	3	5	10	16	20	25
Pkg. Contains	500	400	250	200	200	200
We Pkg., Lbs.	8½	13½	17	22	33	35
Per 1000	$2.50	3.25	4.00	5.00	10.00	11.00

SHOT BAGS

★NORLEIGH DIAMOND
Extra Quality Pure Sulphite Paper

Nos.	NS1	NS3	NS5
Capacity, Lbs.	1	3	5
Package Contains	1000	1000	1000
Weight, Package, Lbs.	10	20	30
Per 1000	$3.50	$ 3.50	$ 3.50

EXTRA FOR PRINTING NAIL AND SHOT BAGS,
ONE SIDE ONLY

	Per 1000
1,000 Lots	$2.50
2,000 Lots	2.00
5,000 Lots	2.00
10,000 Lots	1.50

No Orders for Printed Bags Will be Accepted for Less than 1,000. Allow Us 4 to 6 Days Extra for Printing

ASBESTOS MILL BOARD

Made of Best Asbestos of Long, Soft White Fibers of Considerable Strength. Asbestos is a Natural Deposit Mineral and when Mechanically Treated Can be Manufactured into Many Useful Articles.

For Fireproof Lining of Floors, Partitions, etc., also for Packings, Fire Screens, Lining for Ranges, Stoves, Grates, Gas Blocks, etc. Fire, Moisture and Vermin Proof.

ASBESTOS SHEET
Sheets 40x80 Inches

Thickness Inches	1/32	3/64	1/16	3/32	1/8	3/16	1/4	5/16	3/8
Sheets in a Case	150	75	110	60	50	25	14	10	8
Wt. per Case, Lbs.	200	200	320	240	401	475	605	725	871
Per Pound, Any Thickness, in Case Lots									$0.09
Per Pound, Less Than Case Lots									.14

Made in Three Grades: Hard, Medium and Soft; Medium Furnished Unless Otherwise Specified.

ASBESTOS SHEATHING

Used to Protect Work Around Fireplaces, Chimneys and Furnaces; for Covering Furnace and Steam Pipes to Protect the Floor Under Stoves and, in Fact, Any Place where Fireproof Sheathing is Desired.

Rolls 36 Inches Wide

Nos.		30	14
Wt. 100 Sq. Ft., Lbs.		6	14
Per Pound, All Weights	$0.07	.07	.07

About 100 lbs. in a Roll, Wrapped in Paper. Sold Only in Full Rolls.

ASBESTOS ROLL

Width, Inches	36
No. R2-72—3/32 in. Thick per lb.	$0.08
No. R16—1/16 in. Thick, per lb. (or less weight in 1	.08
Weight per 100 Square Feet, 2-32 inch, About 48 lbs.; 1/16 inch About 90 lbs.	
About 100 lbs. in a Roll, Wrapped in Paper. Sold Only in Full Rolls.	

ASBESTOS WICK PACKING

Selected Asbestos Fiber Spun into Strands, which Can be Separated and Made into the Form of a Soft, Strong Lamp Wick which Can be Packed in Any Desired Shape Around Small Valve Stems.

	Per Pound
No. AW1—In 4 ounce Balls	$0.44
No. AW½—In 8 ounce Balls	.42
No. AW1—In 16 ounce Balls	.40
Loose	

"DIAMOND EDGE IS A QUALITY PLEDGE"

WRAPPING PAPER PRINTED FREE OF CHARGE

We Show the Following Designs to be Used in Printing Wrapping Paper. The Customer's Name, Address and Card is Set Up in Prominent Type. In Ordering, Designate which of these Designs Shall be Used.

SHARP, VERY SHARP, AND SHARP WHEN YOU BUY IT

That is what DIAMOND EDGE means on Cutlery. If the man who makes cutlery can't make it sharp, why should you try? When you buy DIAMOND EDGE Cutlery the first lushly sharp edge will be the first thing that appeals to you, and it has the metal quality which ensures that this edge can be made sharp again and again.

DESIGN K

NORLEIGH DIAMOND
HOME MAKERS SUPPLIES
In this Space will be set the Trade-mark of the Line of Enameled Ware Purchased.
Order by Number
"DIAMOND EDGE IS A QUALITY PLEDGE"
"DIAMOND EDGE IS A QUALITY PLEDGE"

We want every Home Maker who takes pride in her work to come and talk household supplies with us. We want to show you the difference between the good kind and the ordinary kind.

We want to show you that the good kind pays by saving time, by saving temper and finally by saving money, as they last so much longer

COME, AND LET US SHOW YOU OUR LINE OF HOME MAKERS SUPPLIES

Design L—Blue Diamond Enameled Ware
Design M White Diamond Enameled Ware
Design N—Shamrock Enameled Ware
Design O—Trinity Enameled Ware
Design P—Dixie Enameled Ware

WRAPPING PAPER PRINTED FREE OF CHARGE

We show the following designs to be used in Printing Wrapping Paper. The Customers Name, Card and Address is set up in prominent type. In ordering, designate which of these designs shall be used.

DESIGN Q

DIAMOND BRAND ATHLETIC GOODS
The Newest Patterns, the Best Quality, and Lowest Prices consistent with that Quality, is what Diamond Brand in Athletic Goods means to you. It is for this reason that we carry this brand. It protects you and protects us.
LET US SHOW YOU
"DIAMOND EDGE IS A QUALITY PLEDGE"
"DIAMOND EDGE IS A QUALITY PLEDGE"

DESIGN R

"DIAMOND EDGE IS A QUALITY PLEDGE"

WRAPPING PAPER PRINTED FREE OF CHARGE

When Ordered in Six-Roll Lots or More We will Print in Black, Wrapping Paper Described on Opposite Page, with Any Design Illustrated on This and Following Pages.

In Addition to Illustration, We will Print Firm's Name and Address, in Prominent Type to Occupy a 2 Inch Space.

When Sending Matter for Card Setup Clearly Just what is Wanted.

Write Firm Name and Address Plainly.

Order By Design Number

As All Paper is Printed to Order there will be a Delay in Shipping of from Two to Three Days.

If Printing is Wanted Done with Colored Ink We Charge Ten Cents per Roll to Cover Additional Cost of Ink.

We are Prepared to Print Special Advertisements, for Customers, Other than Those Shown on these Pages, Customer to Furnish Electro.

1 to 6 Rolls	Per Job $2 50
7 to 10 Rolls	Per Job 3 00
11 to 15 Rolls	Per Job 3 75
16 to 20 Rolls	Per Roll .25
Over 20 Rolls	Per Roll .20
Colored Ink	Extra Per Roll .10

Write Advertisements Clearly.

Spell Firm's Name and Address Correctly.

WE DO NOT PRINT LESS THAN SIX ROLLS FREE OF CHARGE

"DIAMOND EDGE IS A QUALITY PLEDGE"
SHAPLEIGH HARDWARE CO.
DE
DIAMOND EDGE
ALL TOOLS BEARING THIS TRADE MARK ARE RECOGNIZED AS THE BEST MADE
Since 884 Diamond Edge are Stood for Quality. On a Tool or Any Product of a Manufacturer Back of the Name that Can Be Had. You will Never Find the Trade Mark on Anything but the Best.

WARE BROTHERS COMPANY

SPOKANE, WASHINGTON

DESIGN F

"DIAMOND EDGE IS A QUALITY PLEDGE"

WRAPPING PAPER PRINTED FREE OF CHARGE

We Show the Following Designs to be Used for Printing Wrapping Paper. The Customer's Name, Address and Card is Set Up in Prominent Type in Ordering. Designate which of these Designs Shall be Used.

Diamond Edge Tools have the "working quality" that makes easier work and better work. They have the right feel, perfect "balance," in addition to having the best possible material qualities.

Diamond Edge Tools have been the standard of all that is good for half a century. You simply can not buy anything better. This is the reason that we carry *Diamond Edge* Tools.

Diamond Edge is your guarantee and our guarantee.

DESIGN G

YOU KNOW THAT *DIAMOND EDGE* TOOLS ARE BEST

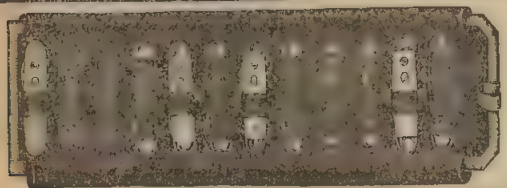
Just as you know that they are cheap in the end, but do you know just how high Diamond Edge specialties such as Lanterns, Builders Hardware and Cutlery, and let us figure with you whenever in the market for anything in the Hardware or Builders Supply line.

DESIGN H

"DIAMOND EDGE IS A QUALITY PLEDGE"

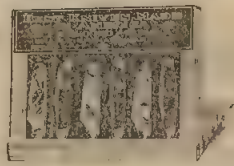
POCKET KNIFE ASSORTMENTS

*DIAMOND EDGE



POCKET KNIFE ASSORTMENTS

*DIAMOND EDGE



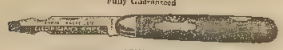
*BRIDGE

"DIAMOND EDGE IS A QUALITY PLEDGE"

COMBINATION POCKET KNIVES AND TOOLS

EMPIRE

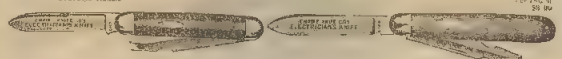
Fully Guaranteed



*EMPIRE

Electrician Knife, Lace Picks, Length 3⅝ inches, German Silver Finish Bolsters, One Screw-Driver Blade with Cutting Edge Glazed and Polished, Brass Lining, German Silver Shield, Weight per Dozen 2⅝ ozs.

No. 1E36 Cocobolo Handle — Per Dozen $9.00



*EMPIRE

Electrician Knife, Lace Picks, Length 3⅝ inches, German Silver Finish Bolsters, One Large Spear and One Screw-Driver Blade with Cutting Edge Glazed and Polished, Brass Lining, German Silver Shield, Weight per Dozen 2⅝ ozs.

No. 2E39E Ebony Handle — Per Dozen $13.50

J. KOESTER'S SONS' GERMANY

Congress Pattern, Length 4½ inches, Polished Steel Rat Tail Bolsters, One Large Spear, One Large Coopering, One Small Pen and One Nail File Blade, Polished and Etched, Combination Blade Consists of a Screw Driver, Can Opener and Screw Driver, One Leather Punch, Brass Lining, German Silver Shield, Weight per Dozen 3 lbs.

No. C8008ST—Patent Stag Handle — Per Dozen $20.00

*J. KOESTER'S SONS' GERMANY

Angle-Saxon Pattern, Length 3½ inches, German Silver Finish Bolsters, One Large Spear and One Small Pen Blade, Half Polished One Side, Brass Lining and Shield, Weight per Dozen 2½ lbs.

No. C4008ST—Patent Stag Handle — Per Dozen $18.00

BOY SCOUTS OF AMERICA

Length 3¾ inches, German Silver Bolsters, One Large Spear Blade, One Screw Driver, Reamer, Punch and Cork Screw Blade, One Combination Blade Consists of a Screw Driver, Can Opener and Hook and One Leather Punch, Brass Lining, Half Polished and Etched, Weight per Doz. 2½ lbs.

No. 4B4SAC—Assorted Colored Pyralin Handles, Gray Bone Wire Lined Crimson and Water Lined Blue — Per Dozen $22.00, Half Dozen in a Box

*J. KOESTER'S SONS, GERMANY

Congress Pattern, Length 4½ inches, Polished Steel Rat Tail Bolsters, One Large Spear and One Large Coopering Blade, Full Polished, One Cigar Box Opener, Nail File, Screw Driver, Punch, Brass Lining, German Silver Shield, Weight per Dozen 3 lbs.

No. C8008ST—Patent Stag Handle — Per Dozen $30.00

*W. H. MORLEY & SONS' GERMANY

Reg. No. [illegible], Length 3½ inches, German Silver Finish Bolsters, One Large Spear and One Small Pen Blade, Half Polished One Side, Brass Lining and Shield, Weight per Dozen 2½ lbs.

No. 7038ST Patent Stag Handle — Per Dozen $27.00

Combination Length 3 inches, German Silver Bolsters, One Large Spear Blade, One Can Opener and One Screw Driver, Brass Lining, No. 2B4SC Weight per Dozen 2¾ lbs.

No. 2H—Patent Stag Handle — Per Dozen $22.00

COMBINATION POCKET KNIVES AND TOOLS

*DIAMOND EDGE

Specially Adapted to the Needs of Automobilists

Forged from Best Pocket Cutlery Steel Known, Thomas Firth & Sons Sheffield, England. Carefully Hardened and Perfectly Tempered by the Most Skilled and Experienced Cutlers. Celebrated for Perfect Cutting Edges. Easy to Open and of Blades, Superior Finish and Symmetrical Appearance. Every Blade sharpened and Honed Ready for Use, Free from Flaws and Imperfections. FULLY GUARANTEED.

Length 3¾ inches, German Silver Bolsters, One Large Spear and One Small Combination Blade, Half Canoe Polished and Etched, Brass Lining, German Silver Shield, One Screw Driver Blade with Cutting Edge Glazed and Polished, Brass Lining, Weight per Dozen 2 lbs.

No. 2S4410ST— Patent Stag Handle — Per Dozen $12.00

Length 3 inches, German Silver Bolsters, One Large Spear and One Small Combination Blade, Half Canoe Polished and Etched, One Cork Screw, Brass Lining, Combination Blade Consists of a Screw Driver, Crown Opener and Pearl-O-Lite Tank Key, Weight per Dozen 1¾ lbs.

No. 3S411P Pearl Handle — Per Dozen $30.00
No. 3S411S-P— Same as No. 3S411P, except with Punch Blade in addition — 32.00
No. 3S411FP— Same as No. 3S411P, except with Flexible File Blade in addition — 30.00

Length 3 inches, German Silver Bolsters, One Large Spear Blade, One Cork Screw, One Combination Blade, Half Canoe Polished and Etched, Brass Lining, Combination Blade Consists of a Screw Driver, Crown Opener and Pearl-O-Lite Tank Key, Weight per Dozen 1¾ lbs.

No. 3S411ST— Patent Stag Handle — Per Dozen $20.00
No. 3S411S-ST Same as No. 3S411ST, except with Punch Blade in addition — 21.50
No. 3S411FT—Same as No. 3S411ST, except with Flexible File Blade in addition — 21.50

Length 3½ inches, German Silver Bolsters, One Large Spear Blade, Half Canoe Polished and Etched, Two Combination Blades, Gland Finish, One Consists of Screw Driver File and Reamer, the Other Consists of Can Opener, Crown Opener and Pearl-O-Lite Tank Key, Brass Lining, Weight per Dozen 2½ lbs.

No. 3S407ST Patent Stag Handle — Per Dozen $20.00, Half Dozen in a Box

Exclusive Western and Southern Distributors for the Product of the Empire Knife Co., Winsted, Conn.

"DIAMOND EDGE IS A QUALITY PLEDGE"

STRIKING BAG PLATFORMS

Cut Shows Platform Secured to Projecting Arm on Side Wall.

By Fastening Two or Three Flanges in Different Places, the Platform may be Used in a Variety of Positions From the Ceiling to the Floor.

Cut Shows Platform Secured to Flange on Ceiling.

CYOLO

Bag Not Included

For Professional or Amateur Use

With This Platform, Bag Punching, the Most Beneficial Indoor Exercise, May be Freely Indulged in Without the Excess of Noise and Jar Which has Made This Form of Sport Practically Impossible in the Home, the Wheel Construction Does not Readily Transmit Vibration but Gives Forth a Rythmical Tatoo Which is in no Way Annoying. The Bag is Attached by a Swivel Coupling Screwed to One End of the Hub, the Other End Being Threaded to a Projecting Arm Braced to the Side Wall, or to a Flange Under a Doorway. When Secured Under a Door or Archway the Wheel Can be Removed When Not in Use, and the Curtain Drawn to Conceal the Fixture.

No. 100—Hardwood Rim, Black Enameled, Nickel Plated Steel Spokes, Strong Tubular Hub; Diameter 8 inches, Weight Each 5½ lbs. Each $7 50

One in a Carton

RAWLINGS

For Home use. Outfit Complete, Comprising Disc and Bag ready to be put up.

Noiseless Adjustable Non-Vibrating

This striking bag apparatus is practical, and the only striking bag disc that has ever been produced that is thoroughly practical for home use. There is practically no vibration to jar the walls and ceilings, and being practically noiseless, it can be used most anywhere in the house without disturbing other occupants or the neighbors. It is very light and compact, weighing in all about 15 pounds. Can be put up and taken down in a few minutes, and occupies a very small space.

No. R—Cast Steel Disc, Pipe Frame, Detachable Bag Fastening; All Metal Work Black Japanned, Complete with Good Quality Bag and Bladder, Weight 10 lbs. Each $11.00

One in a Box

WHITELY EXERCISERS

Cut Shows No. WS

WHITELY SPRING EXERCISERS

The Latest Improved Exercisers on the Market. These Exercisers are Suspended from One Hook while a Second Hook with a Chain Attachment [illegible] necessary for the Protection of the person Exercising. A Safety Chain is Provided on these Whitely Exercisers and can easily be attached to the Screw Eye a few inches away. The Springs are fitted with a Strong Internal Tape, which Limits the S[illegible] than about Seven Feet. Springs are made of the Finest Oil Tempered Steel and by a new Process of Manufacture are given an Initial Tension adding greatly to the Life Action of the Exercisers. Convenient Hooks and Snaps are fitted to the ends of the Springs and the Exercisers can be Changed to a Chest [illegible] without the use of Tools.

No. WS Whitely Special Nickel Plated Springs [illegible] Tape [illegible] Springs [illegible] Each End of Springs and can be [illegible] Single or Double Chest Pull. Two [illegible] Handles [illegible] with Swivel Attachments Complete with Hooks and Safety Chain. Weight each 2½ lbs. Each $4 50

No. PT [illegible] Nickel Plated Springs with Internal Tape; Convenient Loop [illegible] End of Springs and can be easily changed from [illegible] Exerciser to a Chest Pull. Black Enameled [illegible] Handles with Swivel Attachments, Complete with Safety Chain and Hooks. Weight each 2½ lbs. 3,50

One in a Box, with Chart

INDIAN CLUBS

Diamond Triumph Tip Top Exhibition

*DIAMOND

Finest Selected Rock Maple; Ebonite Finish; Two Gilt Stripes; Hand Polished, Finest Club Made

Nos.	DC1	DC1½	DC2	DC3
Weight Each, Lbs.	1	1½	2	3
Per Pair	$0.85	1.00	1.20	1.80

*TRIUMPH

Fine Selected Maple; Black Center Band, Two Gilt Stripes, Natural Color Top and Bottom, Hand Polished

Nos.	TC½	TC¾	TC1	TC1½	TC2	TC3
Weight Each, Lbs.	½	¾	1	1½	2	
Per Pair	$0 70	85	90	1 00	1 10	1 60

*TIP TOP

Selected Clear Maple, Natural Oiled Finished and Polished

Nos.	TTC½	TTC¾	TTC1	TTC1½	TTC2	TTC2½	TTC3	TTC4	TTC5	TTC6
Weight Each, Lbs.	½	¾	1	1½	2	2½	3	4	5	6
Per Pair	$0.38	40	45	50	60	75	90	1 10	1 45	1 80

One Pair in a Package

EXHIBITION

Light Weight Maple, Hollow; Ebonite Finish, Same Size as Regular 3 lb. Club; Height 18½ inches; Weight Each 10 ounces.

No. E—Plain Per Pair $6.00 | No. FE—Fancy; with German Silver Bands Per Pair $10 00

One Pair in a Box

WOOD DUMB BELLS

Triumph

*TRIUMPH

Fine Selected Maple; Black Center Band; Salmon Color Ends, Highly Polished

Nos.	TB½	TB¾	TB1	TB1½	TB2	TB3	TB4
Weight Each, Lbs.	½	¾	1	1½	2	3	4
Per Pair	$0.70	.60	85	1.00	1 15	1 60	1 90

Tip Top

*TIP TOP

Selected Clear Maple; Natural Oiled Finished and Polished

Nos.	TTB½	TTB¾	TTB1	TTB1½	TTB2	TTB3	TTB4
Weight Each, Lbs.	½	¾	1	1½	2	3	4
Per Pair	$0 35	.40	.45	60	90	80	1 05

One Pair in a Package

IRON DUMB BELLS

NOTE.—Always Order Iron Dumb Bells Singly and Not in Pairs.

No. 108—Cast Iron; Black Japanned; 1, 1½, 2, 2½, 3, 4, 5, 6, 7, 8, 10, 12, 15, 18, 20 Per Pound $0.10
25 to 50 lbs. 11

Loose

ROUND PITCHING QUOITS

Cast Iron, Black Japanned, with Finger Grip

	Per Pound
No. 10—Set of 4, Weight per Set 4¼ lbs., Diameter [illegible] inches	$0 13
No. 20—Set of 4, Weight per Set 8½ lbs.; Diameter 4⅝ inches	13
No. 30—Set of 4, Weight per Set 12½ lbs., Diameter 5½ inches	12
No. 50—Set of 4, Weight per Set 19 lbs.; Diameter 6 inches	13
No. 60—Set of 4, Weight per Set 24 lbs.; Diameter 6½ inches	12

Loose

WATER BAGS

*SAHARA SANITARY

NOTE The Sahara Sanitary Bag is made with Open Top for Instantaneous Filling also for Along Should he Bag Become Foul from Impure Water When in Use the Open op is Held Securely Closed by Non-Rust Metal Clasps which Slide Easily on and off

Many of the very Best Extra Heavy rubber Flat cloth The Fear for the Stock is Grown for a time Previous to Russia, made into Dark on Sunlight which the Manufacturers have Found, after Exhaustive Experiments, to Be Superior to the German Grade of Fabric used in other Bags Heavy Six Strong Strings with Non-Rust Metal Rings Non-Rust Wide Open Mouths and large Cork Stoppers

These Water Bags are not on the Vacuum Bottle Principle They do not Maintain Water at an Even Temperature but on the Contrary, in Warm Weather Reduce the Temperature and in Cold Weather Raise the Temperature to the Water the average Reason by being about 30 Degrees.

These Bags are Low Enough by Automobiles Horsemen Motors, Soldiers camps, Camping Parties, or Anywhere where Spring or Ice Water is Scarce There are also Large Quantities of Them Used by Dry Countries by Automobilists for Carrying Water for their Radiators.

Every Model these Bags Must be Hung Up to Prevent the Sides Bursting Into Motion after so Being Once Filled and so Keep Cool Air Must also be Able Around them in order to Keep them Cool Against the Side of a Building, where the Air can only Get to One Side

Cat. No. A-WB82

Sahara Sanitary Bags	Camp or Field Style				
	AWB1	SWB2½	SWB3	SWB5	
Size	4	5	6	7	
Capacity Gallons	1½	2½	3	5	
Size Inches	11½ x 14	12½ x 15½	20x12	23x13	
Weight per Dozen lbs.	15	18	20	30	
Per Dozen	$20 00	23 00	30 00	40 00	

Loose

The Bags Listed Below are Identical to those Listed Above in the only difference that they are Rubber Coated all Seams Sewed and Self Furnished with the Non-Rust Metal Clasps or Tops

	Camp or Field Style			
	OWB1	OWB2½	OWB3	OWB5
Size	4	5	6	7
Capacity Gallons	1½	2½	3	5
Size Inches	11 x 14	12½ x 15½	20x12	23x13
Weight per Dozen lbs.	15	18	20	30
Per Dozen	$19 00	22 00	26 00	37 00

Loose

Automobile Style	
No.	OAWB2½
Capacity Gallons	2½
Size Inches	12½ x 15½
Weight per Dozen lbs	18
Per Dozen	$22 00

When these Bags are First Shipped Out they Will At Least It is Necessary to Refill them Several Times to Give all the Pores a Chance to Close There is Always an Odor on the Outside of the Bag and on Occasional Drop at One of the Corners. Without this the Bag Wouldn't Cool Water as it is the Presence of Evaporation Through the Pores that Chills the Contents.

*DEATH VALLEY

Good Quality Flax Duck, Woven Close and Strong, Double Linen Chain Stitching.

Non-Rust Metal Wide Open Mouth with Large Cork Stopper; Sisal Sling String Secured Through Brass Eyelets.

These Bags are of as Fine Quality as our Sahara Sanitary Bags, Size and Weight of Material and without the Sliding Sanitary Metal Closed Opening They are Made and will Hold Water as well as those Bags are Designed to Market We have brought out this Bag to Compete with the Many Bags Through other Dealers Who are being Offered to the Trade

No.	Capacity Gallons	Size Inches	Weight per Dozen lbs	Per Dozen
WB8½	8½	18x13½	36	$16 00

Loose

SPORTSMEN'S TUMBLERS

*NORLEIGH DIAMOND

ALUMINUM NEST NG TUMBLERS

Our new Tumblers are made with Lug on ready for any Cooking Emergency.

These Cups are especially adapted for Outing Parties, Picnics, Automobile Tours, etc They are a sanitary Serving having smooth, polished surfaces on which no Germs can find a resting place. Extremely light, weight and as the name indicates unbreakable using on

Per Dozen Sets

No. 990—Six Cups Each Made of Drawn Aluminum, Polished Outside Surfaces, Inside and Finish Heavy Aluminum, Colored Rim Size of Cups 3 in. High, 2 3/4 inches Diameter at Top, 1 3/4 inches Diameter at Bottom Weight when telescoped and with Cover and 3 inches Weight per Dozen Sets 3 lbs. $12.00

Twelfth Dozen Sets in a Box

COLLAPSIBLE TUMBLERS
Telescope Style Per Dozen

No. ND68—Best Quality Spun Brass, Nickel Plated and Polished, Accurate and Tight Fitting Joints which will not Leak, Lower Joints evenly Inserted into Base, complete with new character Top Diameter of Base 2 3/8 in. Height open 3 in. Height closed 1 in. Weight per Dozen 2 lbs. $4.50

One Dozen in a Box

COLLAPSIBLE TUMBLERS
Telescope Style Per Dozen

No. ND68—Best Quality Spun Brass Nickel Plated and Polished, Accurate and Tight Fitting Joints which will not Leak, Lower Joints evenly Inserted into Base, complete with Lid which outlasts entire body Diameter of Top 2 in. Diameter of Base 2 3/8 in. Height closed with Lid 3 1/4 in. Weight per Dozen 2 lbs. $3.60

One Dozen in a Box

Spring Brass Nickel Plated and Polished Tumbler Shape

Nos.	ST85	ST88	ST87
Top, Inches	2 1/2	2	1 7/8
Bottom, Inches	2	1 3/4	1 5/8
Height Open, Inches	3 1/4	2 1/2	2 1/4
Height Closed, In.	3 1/4	2	2 1/4
Weight per Dozen Lbs	1 1/2	1	1
Per Dozen	$2 00	$1 66	$ 90

One Dozen in a Box

Aluminum Will not Rust or Corrode, Sanitary, Neat and Compact Very Light Weight Per Dozen

No. ST85—Diameter at Top 2 1/2 in. Diameter Across Bottom 2 inches, Height when Open 3 1/4 inches, Height Closed 3 1/4 inch Weight per Dozen 1 lbs. $2 20

No. ST88—Diameter Across Top 2 in. Diameter Across Bottom 1 3/4 inches, Height when Open 2 1/2 inches, Height Closed 2 in. Weight per Dozen 1 lbs. 2 00

Three Dozen in a Box

"DIAMOND EDGE IS A QUALITY PLEDGE"

No Better Watch Is Made

14-Karat Gold-Filled Watch in Handsome Display Case

NEW THIN
12-SIZE
CASE

Warranted for
25 Years

Double Plates Full
14-Karat Gold

Solid Gold Bow
and Joints

Hand Engraved
Engine Turned
Plain Polished or Plain
Roman Cases

ILLUSTRATION
EXACT SIZE

NEW THIN
12-SIZE
MOVEMENT

Nickel Bridge
Model

17-Jewels
Adjusted

Steel Escape
Wheel

Double Roller
Escapement

Arabic Dial with
Red Marginal
Figures

NO BETTER
WATCH MADE

No Better Watch Can Be Made

Catalogue List Prices on These Watches as follows:

No. 458	14-Kt. Gold-Filled Hunting, Engine Turned or Plain Design	$45.55
No. 459	14-Kt. Gold-Filled Hunting, Rich Engraved Design	46 95
No. 460	14-Kt. Gold-Filled Open Face, Engine Turned or Plain Design (like illustration)	41 20
No. 461	14-Kt. Gold Filed Open Face, Rich Engraved Design	42.45

INCLUDING FINE LEATHER DISPLAY CASE AS ILLUSTRATED HEREWITH

GENTLEMEN'S 16 SIZE 14k SOLID GOLD WATCH CASES

Warranted 14k U. S. assay. Stem winding and stem setting. Manufactured by the Keystone Watch Co.

Prices quoted on this page are for CASES ONLY. For MOVEMENTS or WORKS to fit any of these cases shown on this page, see pages 89 to 93 (or Nos. 1658 to 1747), inclusive.

Add the price of the MOVEMENT wanted to that of the CASE desired, which will give you the price of the COMPLETE WATCH. When ordering Watches simply quote the NUMBER OF CASE AND MOVEMENT wanted.

Plain Polish Lp Pendant Five [illegible] Joints
No. K467 Hunting style, heavy weight $80.00
No. K[illegible] Hunting style, extra [illegible] weight 76 70
No. K468 Open Face style, extra heavy weight 88 70

We fit all Movements to Cases and regulate watches before shipping

Engine Turned Lp Pendant Five [illegible] Joints
No. K465 Hunting style, heavy weight $80.00
No. K[illegible] Hunting style, extra [illegible] weight 76 70
No. K466 Open Face style, extra heavy weight 88 70

ALL THIN MODEL—THE IDEAL GENTLEMAN'S WATCH

Engine Turned Hunting Open Face Style
No. K[illegible] Light weight ..$[illegible] $[illegible]
No. K469 Medium weight ..[illegible] [illegible]
No. K[illegible] Heavy weight ..[illegible] [illegible]
No. K471 Ex[illegible] weight [illegible] 68 01

Plain Polish
No. K472 Hunting style, medium weight $58 70
No. K473 Hunting style, heavy weight 70 00
No. K474 Hunting style, extra heavy weight 85 35

Basine plain polish, Open Face style, screw bezel swing ring, solid back.
No. K[illegible] Heavy weight ..... $57 [illegible]
No. K476 Ex heavy weight ..... [illegible]

Engine Turned
No. K477 Hunting style $74 70
No. K478 Open Face style 62 00

A fine leatherette silk lined case and chamois watch bag furnished free of charge with each complete watch

Fancy Hand Engraved
No. K479 Hunting style ..$100 00

Plain Polish
No. K480 Hunting style...$89 35
No. K481 Open Face style. 70 35

Plain Polish
No. K482 Open Face style, light weight $42 70
No. K483 Open Face style, medium weight 56 35
No. K484 Open Face style, heavy weight 67 35

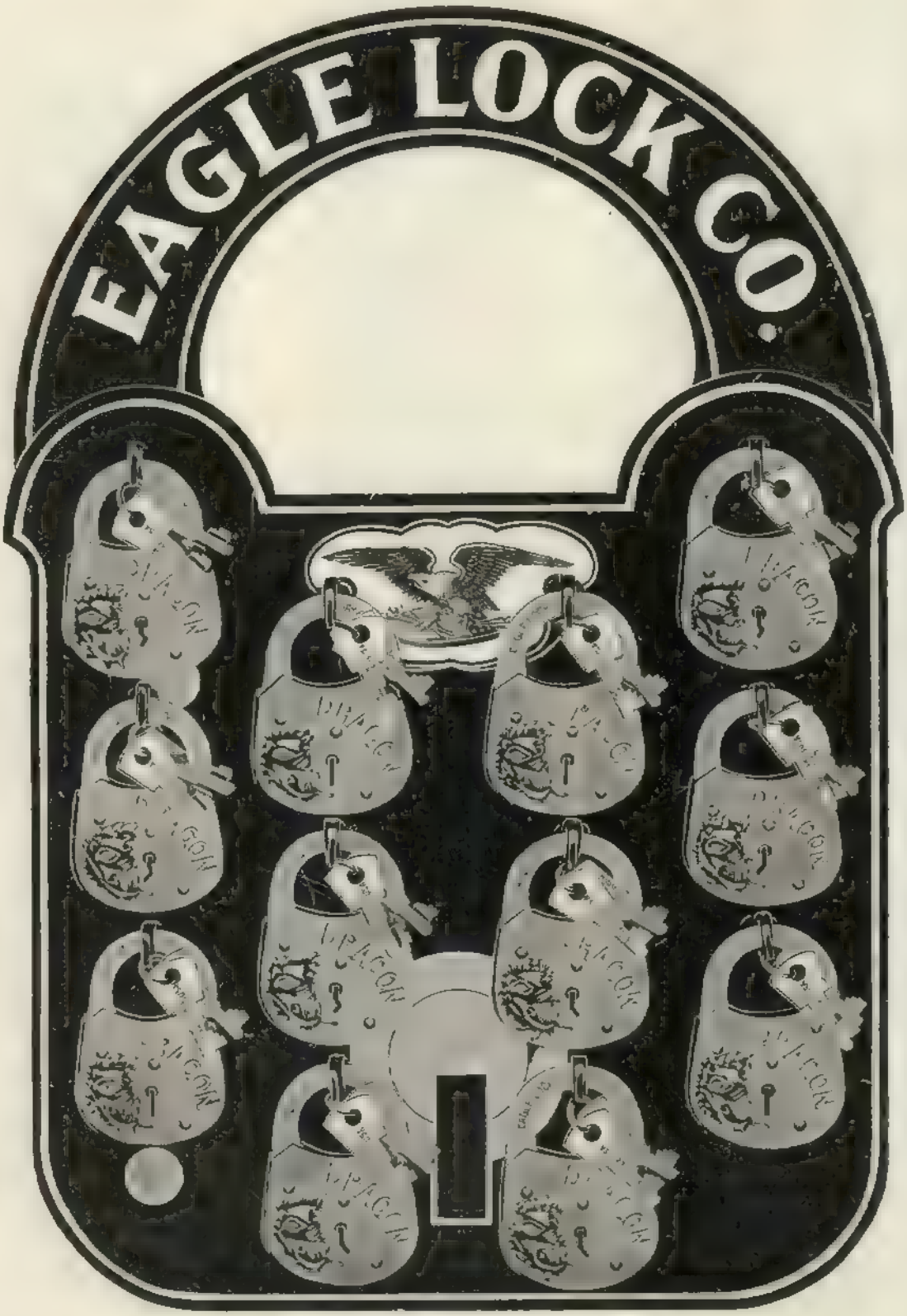
Raised Ornamented
No. K485 Hunting style with diamond $156 00
No. K486 Open Face style without diamond 138 70

PADLOCK ASSORTMENT

No. 113F Contains four locks each, Nos 4127, 4127¼ and 4128, mounted on handsome display card with easel back, lithographed in blue and gold, size of card 16⅞ x 11½ inches..... .....per assortment, **$4.00**

One card in a box, weight 5½ pounds

PADLOCK ASSORTMENT



No. 156F Contains four locks each, Nos. 4202, 4202½ and 4202E, mounted on handsome display card with easel back, lithographed in blue and gold, size of card 10⅞ x 11½ inches . . . . . per assortment, **$2.50**

One card in a box, weight 3¼ pounds

"EVER READY" ELECTRIC LIGHTS

NO. 4706

FOUNTAIN PEN LIGHT

Of the same shape and only a trifle larger than the ordinary fountain pen. Fitted with vest pocket clip which acts as a contact switch.

No. **2680.** Pen Flash Light complete.....**$1.00**

No. **706.** Renewal Battery **$ .25** No. **1180** Bulb...**$ .13**

NO. 4701

HOUSE LAMPS

No. **4706.** Nickel plated case, size 4x2¾x2½ inches, complete.....**$2.00**
No. **703.** Renewal Tungsten Battery **$.35** No. **1190.** Mazda Bulb **$.13**

No. **4707.** Nickel plated case, size 4¾x4½x3½ inches, complete..... **3.50**

No. **4703.** Wooden case, nickel trimmed, handle at back, complete..... **3.00**
No **734** Renewal Tungsten Battery **$ 45** No. **1199** Mazda Bulb **$.13**

WATCHMAN'S AND SEARCH LANTERNS

No. **4701.** Nickel plated case, with brilliant reflector, complete **$5.00**
No. **4702.** " " " extra large " " **5.50**
No. **710** Renewal Tungsten Battery **$.75** No. **1195** Mazda Bulb **$.13**

PISTOL LIGHT

The design is similar to that of an automatic pistol. Bulb is in end of barrel and by pulling the trigger the light is turned on. Battery is concealed in stock.

No. **2675.** Nickel plated or Gun Metal finish, complete.....**$1.50**

No. **750.** Renewal Tungsten Battery **$.30** No. **1180.** Mazda Bulb **$.13**

HANDY ELECTRIC LAMP

This lamp is useful for many purposes and is popular owing to its low cost and the fact that the batteries—ordinary No. 6 dry cells—can be secured in practically every town in the United States. It is made of sheet metal, black japaned finished with handle at back and wire carrrying bail. The switch is conveniently placed, and is easily operated. The weight of lamp without battery is about 12 ounces and the battery weighs 2¼ to 2½ pounds.

No. **4718.** Lamp without battery.....**$1.75**
No. **1451.** Renewal Mazda Bulb..... **.21**

No. **6.** Batteries will be furnished by us for 25c extra but on account of their weight and consequent cost of transportation in small lots we recommend that they be purchased from your local dealer.

Delivery Prepaid on Lamps and Bulbs if Cash is Sent with Order at Above Prices
Batteries will be mailed if postage is enclosed at parcel post rate

FOOTBALL CLOTHING

FOOTBALL JERSEYS

Our Jerseys are especially adapted for football wear, being made from hard twisted worsted of the best quality, closely woven, fitting the body perfectly.

Solid or Plain Color Jerseys

We carry in stock in sizes 30 to 44, white navy blue, grey, maroon or black jerseys; other colors made to order at short notice.

No. **10C.** Best grade worsted jersey close woven superior finish. Each....**$2.50**
No. **10K.** Best grade worsted, medium weight. Each..... **2.00**
No. **10G.** Carefully finished cotton jerseys, strong and durable. Each.... **.75**

Striped or Band Jerseys

In stock with 6-inch band around body in these combinations: maroon and white, navy blue and white, gray and red. Other combinations furnished at short notice.

Also plain body jerseys with alternate wide and narrow stripe on sleeves, in above combinations. See illustration page 438.

No. **14C.** Best grade worsted, close woven, Each.....**$2.75**
No. **14K.** Best grade worsted, medium weight Each..... **2.25**
No. **14G.** Cotton jerseys, of best quality, strong and durable. Each..... **.75**

FOOTBALL STOCKINGS

Plain or Striped

Our stockings are strong and exceptionally durable. Standard colors carried in stock, other colors and styles made to order only. Stripes are either one wide band or alternating.

No. **206.** Best quality worsted, heavy ribbed, any color, plain or striped. Per pair.....**$1.00**
No. **201.** Good quality worsted, medium ribbed, any color, plain or striped. Per pair..... **.75**
No. **119S.** Heavy ribbed cotton hose, plain or striped, any color. Per pair..... **.50**
No. **115.** Good quality cotton hose, plain colors only, black, navy blue and maroon. Per pair..... **.25**

20% Discount to Clubs placing full team orders—except Nos. 10G and 14G

FOOTBALL SHOES

All these shoes are fitted with ankle reinforcement as shown in illustration and are of excellent material and design.

No. **563.** Finest black kangaroo side leather; wide tip, regular tongue, reinforced on instep. Latest style cleats.....Pair **$3.50**
No. **563B.** Similar to No. 563, but made in sizes for small boys.....Pair **3.00**
No. **364.** Made from black elk uppers, Goodyear welt, wing tip to counter pockets, which strengthens and protects the whole side of shoe, moulded box toe, and latest style cleats. Pair **$5.00**
No. **AS.** Soccer shoe. Uppers of best quality grain leather. Double outside box toe. Has bar shaped leather cleats at toe and heel....Pair **5.00**

No. 364

Delivery Prepaid in U. S. if Cash is Sent with Order at Above Prices
A Club Discount of 10% will be Allowed on Orders for Team

MEN'S HANDLED AXES.

CAMP FIRE.

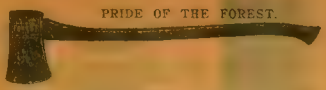
Forged Steel, Painted Red and Labeled, Polished Bit, with Pressed Bevels, Blue Lacquered. Fitted with Good Quality Oval Hickory Handle. One of Our Best Sellers.

No. J101—Camp Fire, Michigan Pattern.

Weights, Assorted, lbs.	3 to 4	3½ to 4½	4 to 5
Wt per doz. handled, lbs.	65	70	75
Per dozen	$15.50	16.00	16.50
	JICJ	JIFJ	JIIJ

ONE DOZEN IN A BOX, HANDLES BURLAPPED.

PRIDE OF THE FOREST.



Forged Steel, Black Forge Finish. Fitted with Good Quality Oval Ebonized Hickory Handle. Second Quality, Not Warranted, But a Surprising Value at the Price.

No. S91—Pride of the Forest, Michigan Pattern.

Weights, Assorted, lbs.	3 to 4	3½ to 4½
Wt per doz. handled, lbs.	60	70
Per dozen	$14.00	14.50
	JHDJ	JHGJ

No. S92—Pride of the Forest, Yankee Pattern.

Weights, Assorted, lbs.	3 to 4	3½ to 4½
Wt per doz. handled	60	70
Per dozen	$14.00	14.50
	JHDJ	JHGJ

ONE DOZEN IN A BOX, HANDLES BURLAPPED.

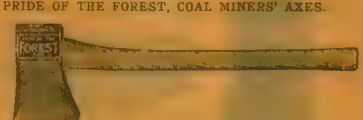
GVB FIREMEN'S HANDLED AXES.

No. 7 GVB—Forged Steel Body and Pick Point, Painted Red, Extra Quality Crucible Tool Steel Polished Bit, Carefully Hand-Tempered. Fitted with Extra Quality Hickory Handle.

Weight, without handle, lbs.	4	5	6	8
Wt per doz., handled, lbs.	54	64	76	112
Per dozen	$28.00	29.00	30.00	34.00
	AFHJ	AGDJ	AHJJ	BJDJ

ONE-HALF DOZEN IN A BOX.

PRIDE OF THE FOREST, COAL MINERS' AXES.



No. W92—Pride of the Forest, Yankee Pattern, Black Forge Finish, Fitted with Good Quality Short, 26 Inch, Oval Straight Miners' Handle.

Weights, Assorted, lbs.	3 to 4	3½ to 4½
Wt per dozen handled	63	68
Per dozen	$15.00	15.50
	JIJJ	JICJ

ONE DOZEN IN A BOX.

BOYS' HANDLED AXES.

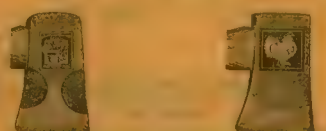
No. 24 GVB No. 25 BRONZE.

Solid Forged Crucible Steel, with 28 in. Oval Hickory Handles.

No. 20 GVB—Full polished and etched, 2¼ lbs. extra quality white handle ..... per dozen **JHAJ** $11.50

No. 24 GVB—Bronzed, with polished bit, 2¼ lbs., extra quality white handle ..... per dozen **JGEJ** $12.00

No. 25 BRONZE—Black finish, 2¼ lbs., extra quality white handle ..... per dozen **JGBJ** $11.00



No. 12.

Solid Forged Crucible Steel, with 28 in. Oval Hickory Handles.

No. 2—Camp Fire, body painted red, polished bit, pressed blue bevels, 2¼ lbs., good quality handle ..... per dozen **JGBJ** $12.00

No. 12—Cruso, bronzed, with polished bit, 2¼ lbs., medium quality handle ..... per dozen **JFJJ** $10.00

UNHANDLED SINGLE BIT AXES.

EBANO.

Forged Crucible Steel, Body Painted Black, Polished Bit, Well Tempered and Sharpened.

CRUSO.

Forged Steel, Gold Bronzed Body, Polished Bit, Well Tempered and Sharpened. Second Quality But a Serviceable Axe at a Very Low Price. Not Warranted.

No. 42

No. 83—Ebano, Ohio or Mexican Pattern.

Wts, Assorted, lbs..	3 to 4	3½ to 4½	4 to 5
W't per doz., lbs.	49	54	59
Per dozen	$13.00	13.50	14.00
	JGHJ	JHAJ	JHDJ

ONE DOZEN IN A CASE

No. 91.

PRIDE OF THE FOREST.

Forged Steel, Black Forge Finish, Tempered and Sharpened. A Second Quality Low Priced Axe, but Serviceable for All but Very Exacting Work. Not Warranted.

No. 41—CRUSO, Michigan Pattern.

Weights, Assorted, lbs.	3 to 4	3½ to 4½
W't per doz., lbs.	49	54
Per dozen	$13 00	13 50
	JGHJ	JHAJ

No. 91—Pride of the Forest, Michigan Pattern.

Wts, Assorted, lbs..	3 to 4	3½ to 4½
W't per doz., lbs.	49	54
Per dozen	$12.00	12.50
	JGBJ	JGEJ

No. 92—Pride of the Forest, Yankee Pattern.

Wts, Assorted, lbs..	3 to 4	3½ to 4½
W't per doz., lbs.	49	54
Per dozen	$12.00	12.50
	JGBJ	JGEJ

No.42—CRUSO, Yankee Pattern.

Weights, Assorted, lbs.	3 to 4	3½ to 4½
W't per doz., lbs.....	49	54
Per dozen	$13.00	13.50
	JGHJ	JHAJ

ONE DOZEN IN A CASE.

HANDLED AXES.

Any of the Above Axes May Be Fitted with Any of the Following Handles, By Our Expert Workmen. Our Handles are Specially Graded and Gauged for the Purpose, and We Guarantee Correct "Hang" and Secure Wedging. We Strongly Recommend that all Axes be Purchased Handled, Ready for Use.

SINGLE BIT.

Add the Following Extras to the Prices of Unhandled Single Bit Axes for Fitting with Handles as Shown below.

		Extra Per Dozen.
No. E	Hib Spe-Bar hickory, reg., oval 36 in .	CCJ $5.50
No. F	Hib Spe Bar hickory, reg., octagon 36 in	CCJ 5 50
No. EE	Hib spe Bar hickory, small, straight oval 36 in	CCJ 5 50
No. H	Hib-Spe-Bar hickory, reg., oval 33 in...	CCJ 5 50
No. FF	Hib-Spe-Bar oak, regular, oval 36 in.	BGJ 4 50
No. I	Ha-noy hickory, regular, oval 36 in..	BDJ 4 00
No. K	Cruso hickory, regular, oval 36	BAJ 3 50

Our handled axes have the heads securely but not spoil the handles protecting, and pulls, but apply t Handled axes weigh about 36 lbs. per dozen more than the corresponding axes unhandled In ordering handled a always specify the brand and number of the axe and prefix to the axe number the letter designating the handle, thus—"1 dozen No. F92 Pride of the Forest axes, No 4 lbs., which shows that No. 92 Yankee Pattern S B axes are desired, fitted with No F Hib-Spe-Bar

DOUBLE BIT.

Add the Following Extras to the Prices of Unhandled Double Bit Axes for Fitting with Handles as Shown Below.

		Extra Per Dozen
No. P	Hib Spe-Bar hickory, regular, oval 36 in	CCJ $5.50
No. N	Hib-Spe-Bar hickory, reg., octagon 36 in..	CCJ 5 50
No. PP	Hib-Spe-Bar oak, regular, oval 36 in. .	BGJ 4 50
No. R	Ha-noy hickory, regular, oval 36 in....	BDJ 4 00

ELECTRIC FLASHLIGHTS

With Tungsten Bulbs and Radio Guaranteed Batteries

TUNGSTEN VEST POCKET

No. 3418 Size 2½ x 1¼ x ⅜ inches, nickel plated, highly polished, weight per dozen 1 pound, complete ..... Each **$0.60**

No. 1042 Renewal Radio Battery ..... **.30**

No. 535 Renewal Tungsten Bulb ..... **.30**

No. 3425 Size: 2⅞ x 1⅛ x ¾ inches, nickel plated, highly polished, weight per dozen 1¼ pounds, complete..... Each **$0.70**

No. 1040 Renewal Radio Battery ..... **.30**

No. 535 Renewal Tungsten Bulb ..... **.30**

No. 3429 Size: 2⅞ x 2 x ¾ inches, nickel plated, highly polished, weight per dozen 1½ pounds, complete..... Each **$0.85**

No. 3426 Same, without slide, weight per dozen 1½ pounds, complete ..... **.75**

No. 1041 Renewal Radio Battery ..... **.40**

No. 536 Renewal Tungsten Bulb. **.30**

No. 4745 Pressed metal, silver finish, weight per dozen 5½ pounds, complete..... Each **$0.85**

No. 1020 Renewal Radio Battery ..... **.40**

No. 521 Renewal Tungsten Bulb. **.25**

No. 4747 Metal case, gun metal finish, weight per dozen 5½ pounds, complete ..... Each **$1.00**

No. 1020 Renewal Radio Battery ..... **.40**

No. 521 Renewal Tungsten Bulb. **.25**

No. 4727 Cloth covered, assorted colors, weight per dozen 5 pounds, complete ..... Each **$0.70**

No. 1020 Renewal Radio Battery ..... **.40**

No. 521 Renewal Tungsten Bulb **.25**

HOUSE LAMP

No. 4864 Metal case, silver finish, weight per dozen 7 pounds, complete ..... Each **$2.10**

No. 1020 Renewal Radio Battery..... **.40**

No. 521 Renewal Tungsten Bulb ..... **.25**

PISTOL FLASHLIGHT

No. 4755 Exact reproduction of automatic pistol. The most wonderful flashlight novelty, weight per dozen 3 pounds, complete..... Each **$1.55**

No. 1040 Renewal Radio Battery..... **.30**

No. 535 Renewal Tungsten Bulb. ..... **.30**

ELECTRIC FLASHLIGHTS

With Tungsten Bulbs and Radio Guaranteed Batteries

TUNGSTEN TUBULAR

Each

No. 6781 Vulcanized fibre case, size 1½ x 5 inches, weight per dozen 1½ pounds, complete $0.95
No. 1029 Renewal Radio Battery .30
No. 520 Renewal Tungsten Bulb .25

Each

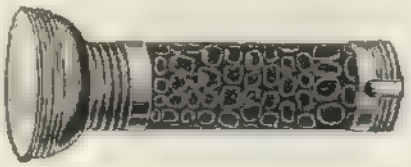
No. 6784 Vulcanized fibre case, size 1½ x 6¼ inches, weight per dozen 3½ pounds, complete $1.20
No. 1028 Renewal Radio Battery .30
No. 520 Renewal Tungsten Bulb .25

No. 6786 Vulcanized fibre case, size 1½ x 8 inches weight per dozen 11 pounds, complete 1.35
No. 1027 Renewal Radio Battery .40
No. 521 Renewal Tungsten Bulb .25

Each

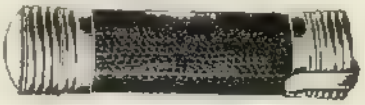
No. 6788 Vulcanized fibre case, size 1½ x 6½ inches weight per dozen 10 pounds, complete $1.80
No. 1028 Renewal Radio Battery .30
No. 540 Renewal Tungsten Bulb .25

No. 6789 Vulcanized fibre case, size 1½ x 9 inches weight per dozen 13 pounds, complete 2.00
No. 1027 Renewal Radio Battery .40
No. 543 Renewal Tungsten Bulb .25



Each

No. 6793 Metal case, brown or black leatherette covered, size 1½ x 6½ inches, weight per dozen 9 pounds, complete $1.45
No. 1028 Renewal Radio Battery .30
No. 540 Renewal Tungsten Bulb .25



Each

No. 6798 Metal case, brown or black leatherette covered, size 1½ x 8½ inches, weight per dozen 8 pounds, complete $0.85
No. 1028 Renewal Radio Battery .30
No. 520 Renewal Tungsten Bulb .25

No. 6794 Metal case, brown or black leatherette covered, size 1½ x 8½ inches, weight per dozen 11 pounds, complete .85
No. 1027 Renewal Radio Battery .40
No. 521 Renewal Tungsten Bulb .25

BULBS

No. 520
No. 521

No. 540
No. 543

No. 535
No. 536

No. 520 2.5 V. or 2.8 V., each....$0.25
No. 521 3.5 V. or 3.8 V., each.... .25

No. 540 2.5 V. or 2.8 V., each....$0.25
No. 543 3.5 V. or 3.8 V., each.... .25

No. 535 2.5 V. or 2.8 V., each....$0.30
No. 536 3.5 V. or 3.8 V., each.... .30

ELECTRIC PORTABLE LAMPS

Each

No. 870—Rich Imitation Crystal Cut Glass, White Frosted Etched [illegible] Shade, [illegible] Inches Diameter, [illegible] Inches Deep, [illegible] Inches Wide, [illegible] Inches Deep, Fitted with Rubber Cord and Patent Chain Pull Socket and Patent Swivel [illegible] Each $11.00

A Beautiful and Attractive Portable Intended for use in Bed Rooms or Reading Rooms. Artistic Ivory Enamel Finish applied on Heavy Silver Plate with Delicate Colorings in Natural effects permanently baked on 9½ inch square Art Amber Shade, Base 6 inches in Diameter, Pull Chain Socket Complete with 6 foot Silk Insulating Cord and Full Plug. Each

No. 215—One Light, Height Over All [illegible] Inches, Weight each [illegible] lbs. $23 00

Each

No. 1010½—Large Portable [illegible] Lamp, Fine Sandalwood Base [illegible] Inches Diameter, [illegible] Inches Deep, Fitted with Very Handsome [illegible] Shade, [illegible] Inches Diameter at Bottom, [illegible] Inches Deep, [illegible] Inches Wide at Top, Fitted with Rubber Cord and Patent Chain Pull Socket and Patent Swivel, Height 20 Inches $7 00

Each

No. 1008½—One Light, Height Over All 22 Inches, Weight $3 lbs. $15 00

One in a Box

ELECTRIC PORTABLE LAMPS

BUNGALOW LAMP

An Artistic Lamp which has no Equal for [illegible] Library, Parlors, Cozy Corners, etc. Very Popular and Economical, having Single Light Fixture [illegible] Each

Fancy Frosted Glass Dome, Forest Scene in Various Colors. Diameter of Dome 14 inches. Ivory Base, 9½ inches in Diameter, Patent Push Button Sockets Complete with Six Foot White Silk Insulated Cord and Screw Plug. Each

No. 1128½—One Light, Height Over All 14 inches, Weight each 8 lbs. $27 00

Fancy Hammered Outdoor Lamp [illegible] Dome with Amber Colored Mica Shade, [illegible] Diameter of Shade and [illegible] Diameter of Base 6 inches. Pull Chain [illegible] Socket Complete with Six Foot Insulated [illegible] Each

No. 6003—One Light, Height Over All 17 Inches, Weight each 20 lbs. $18 50

Each

No. 1008½—Fancy Japanned Bronze Standard, 18 inch Decorated Green and Gold Orange Glass Dome, Suitable Socket for One Light. Complete with Six Cord and Plug. Height Over All 14 inches, Weight 5 lbs. $10.00

Fancy Glass Shade, Decorated with Roses [illegible] and Green Colors. Outdoor Brass Stand [illegible] Shade Fitter. Diameter of Base 7 inches. Height [illegible] Cord and Screw Plug.

No. 1100½—One Light, Height Over All 18 inches. Weight each [illegible] lbs. 13.00

White Frosted Glass Shade Decorated with Wild Roses, Diameter of Shade 10 inches, Fancy Brass Stand and Shade Holder Finished [illegible] Diameter of Base 7 [illegible]

No. 1031 [illegible] $6 50

[illegible] shade, 3 inches [illegible] Stand and Shade [illegible]

No. 1102½ [illegible] $8 50

OUR SALESMAN ON YOUR TERRITORY CAN ONLY BE AT ONE PLACE AT A TIME, BUT EVERY ONE OF OUR CUSTOMERS CAN SEND US ORDERS BY MAIL EVERY DAY AND GET THE SAME SATISFACTORY SERVICE AS IF THEY WERE PLACING THE ORDER IN PERSON WITH HIM. WE ARE HERE ALL THE TIME, WAITING FOR YOUR ORDER. TRY US WITH AN ORDER BY MAIL EVERY TIME YOU CAN MAKE UP A FREIGHT SHIPMENT. YOU WILL BE SURPRISED TO SEE HOW EASY IT IS TO KEEP YOUR STOCK UP AND HOW FEW SALES YOU MISS BY BEING OUT OF THE GOODS.

ELECTRIC FIXTURES

SEMI-DIRECT DOMES

Brushed Brass, Ornamental Ceiling Plate and Chain Hangers. Length over all 18 inches. [illegible] Each
No. 70 [illegible]
No. 82 [illegible]
No. N2868 [illegible] $10 00

Brushed Brass; Ceiling Plate 7¾ inches in Diameter. Length over all 24 inches. Link Chain Hanger. Each
No. N2067 [illegible] Weight 4½ lbs. $12 00

Brushed Brass, [illegible] Keyless Socket. Fits each [illegible] and Screw Post. Complete with No. 21 Silk Adjuster. Each
No. N2046—[illegible] Weight [illegible] $7 00

Semi Direct, Fancy Gold Finish Ceiling Plate, Chain Hangers and Five [illegible] Metal Dome with White Inner Ray Glass Shade, Latest Open Work Design, Length over all 48 inches, Keyless Socket [illegible] Each
✠ No. 8082½ Electric Light; Weight 7½ lbs. $42.00

Direct, Fancy Verde Finish Over Cast Metal Dome with Ruby [illegible] Each
✠ No. 602 [illegible] Weight 30 lbs. $40.00

Loose

Items marked ✠ not carried in stock; can only be furnished by shipping Direct from Factory, F. O. B. Pittsburg, Pa.

ELECTRIC PORTABLE LAMPS

No. 3725½—Fancy Square Brass Standard, [illegible] Square Shade, Some Decoration, [illegible] Two Lights with New Vernicelle Pull Base Sockets, Complete with Silk Cord and Plug. Height Over All 24½ inches, Weight 25 lbs. Each $37 00

No. 8735½—Electric Portable Reading Lamp, Heavy Sheffield Weight Cast Base, Reeded for Fluted Standard; 16 Inch Octagon, Leaded Emerald Art Glass Dome and Cover, 6 inch Imported Emerald Bend Fringe; One Light; Six Feet Reinforced Silk-Covered Cord, Standard Pull, Plug and Snap Socket without Body, Height 21 inches, Finish, Brushed Brass. Very [illegible] Weight 10 Pounds $12 00 Each

No. 10721½—Fancy Oxidized, Hexagon Cast Brass Standard; [illegible] in Latest Open Work Mission Design [illegible] Art Amber Shade, One Light; Complete with [illegible] Cord and Plug. Height Over All 22 Inches, Weight [illegible] Each $21 00

No. 10001½—Electric Portable Reading Lamp 12 Inch Leaded Bent Emerald Art Glass Shade with 2½ Inch Cover to match, 6 inch Imported Bend Fringe; 1¼ inch Square Brass Standard, 7 inch Heavily Reversed Cast Base [illegible] feet Reinforced Silk Lamp Cord; Standard Pull, Plug and Snap Socket; One Light—60 Bulb. Height 23½ inches. Base finished in Tuscany Bronze, Balance in Brushed Brass; Weight 10 Pounds [illegible] $16 00 Each

One in a Box

"Diamond Edge is a Quality Pledge"

ELECTRIC SAD IRONS

UNIVERSAL

Complete with 6 ft. Cord with Hubbell Lamp Socket Plug, and Reversible Heat Proof Spring Stand.

Each

No. E902—580 Watts, Nickel Plated Base and Hood, Ebonized Wood Handle, Cord is Protected at Iron by a Spiral Steel Spring, Weight Each 6 Lbs .....$ ...

Weight Each Packed 8 Pounds.

One in a Box

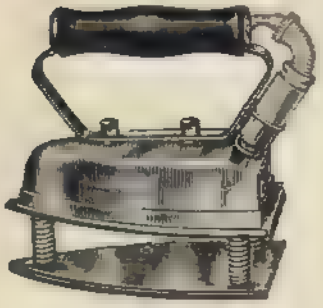
Complete with 8 ft. Cord with Hubbell Lamp Socket Plug and Reversible Heat Proof Spring Stand.

Each

No. E901—580 Watts, Nickel Plated Base and Hood, Ebonized Wood Handle, Cord is Protected at Iron by a Spiral Steel Spring, Weight Each 6 Lbs. .....$....

Weight Each Packed 8¼ Pounds

One in a Box



Complete with 6 ft. Cord with Hubbell Lamp Socket Plug and Reversible Heat Proof Spring Stand.

Each

No. E905—580 Watts, Nickel Plated Base and Hood Ebonized Wood Handle, Cord is Protected at Iron by Spiral Steel Spring, Weight Each 6 Lbs. .. .$.....

No. E9052—580 Watts, Black Base, Nickel Plated Hood, Ebonized Wood Handle, Cord is Protected at Iron by a Spiral Steel Spring, Weight Each 6 Lbs. ... .

Weight Each Packed 8 Pounds.

One in a Box

The heating units in all "Universal" Electric Irons are made of the best Nicrome Wire with Ruby India Mica Insulation. The extra large surface covered with Nichrome Wire in conjunction with an unusually heavy sole plate, makes possible an unequalled storage of heat in ironing damp table linen, heavy duck shirts, etc.

ELECTRIC SAD IRONS

DOVER TAILOR'S GOOSE

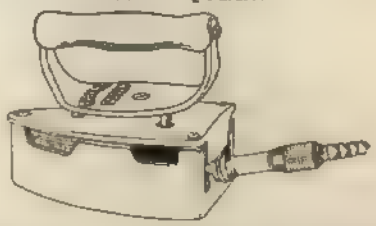
Complete with 6 ft. Feed Cord with Two Plugs, Suspension Stand with Removable Arms, Waxer and Cleaner.

3¾x11 in. Ironing Face, Full Nickel Plated, Blued Base, Ebonized Handle, Detachable Plug at Iron, Pull-Apart Attachment Plug at Socket, Rigid, Heavy Contact Posts, Complete with Suspension Stand with Adjustable and Removable Arms, May be Attached to Table or Board with Screws, Waxer and Cleaner, for 110 Volts.

Nos.	15D	18D	21D	24D
Weight Each, Lbs..	15	18	21	24
Each ..... $.....	.....	.....	.....	.....

GAS HEATED SAD IRONS

FAIRY QUEEN



Complete with 6 ft. Tubing and Asbestos Mat.

Each

Fairy Queen—6¼x3⅞ in. Bottom, Enameled Wood Handle, Steel Handle Guard, Fully Nickel Plated and Polished, Odorless and Smokeless, for Natural or Artificial Gas, Weight Each 5½ Lbs...$.....

This iron becomes hot enough to iron in 3 minutes. Can be connected to any gas fixture or gas stove and costs but one-half cent an hour to operate

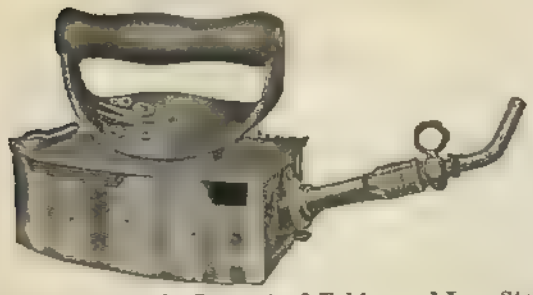
Note—When ordering, state whether for Natural or Artificial Gas

One in a Box.

GAS HEATED SAD IRONS

I. M. E.

DOMESTIC AND LAUNDRY



Complete with 6 ft. Guaranteed Tubing and Iron Stand.

Each

No. 9—6x3½ in. Bottom, Enameled Wood Handle, Absolutely Odorless and Smokeless, for Natural or Artificial Gas, Weight Each 5¾ Lbs.....$....

In this iron the heat is not taken up by cold air passing through the bottom. Heats in three minutes and stays hot. The heat is under perfect control; a gentle heat for light fabrics or intense heat for wet goods. The cost for gas is about two cents for four hours' ironing.

One in a Box.

TAILORS' GOOSE

Enameled Wood Handle, 10x4 in. Bottom, with Stand, for Natural or Artificial Gas.

Nos.	1	2	3	4	5
Wt Each, Lbs.	16	18	20	22	24
Each	$....	....	....	....	....

One in a Box.

Note—When ordering, state whether for Natural or Artificial Gas.

GASOLINE SAD IRONS

ROYAL

Nickel Plated, Handsomely Finished.

Each

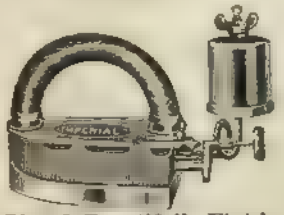
Royal—Nickel Plated, Perfectly Balanced, Strong Fuel Tank Strong Wood Handle, Weight Each 6¼ Lbs.....$....

The heat is easily regulated to suit the wishes of the operator. The burner extends the full length of the iron, giving the entire bottom an even temperature.

The gases and odors which are naturally formed by combustion are transformed and avoided by the patented ventilating lid. The handle is always cool, no matter how hot you heat the iron.

One in a Box

IMPERIAL



Nickel Plated, Beautifully Finished.

Each

Imperial—Nickel Plated, Heavy Fuel Tank, Strong Wood Handle, Burns Either Gasoline or Alcohol, Complete with Independent Air Pump, Weight Each 5½ Lbs.....$....

The Imperial burns 90 per cent air and 10 per cent gas. An even continuous heat can be maintained at a cost of one-fifth of a cent per hour.

The operator can instantly and easily regulate the heat to suit requirements, by the simple turning of a knob with the fingers.

One in a Box.

COMFORT

Best Grade Iron, Nickel Plated and Polished, Heavy Seamless Brass Reservoir, Nickel Plated.

Each

Comfort—Capacity ¾ Pint, Double Pointed, Ebonized Cool Handle, 18½ Square Inches of Ironing Surface, Operates 3 Hours on One Filling, Complete with Pump and Lighter, Weight Each 6½ Lbs. .....$....

The Comfort is a two-point style and can be operated either forward or backward; has self-cleaning generator, positive shut-off against pressure, perfect regulation and all parts are interchangeable. Generates with less than a teaspoonful of alcohol in about one minute.

One in a Box

METAL PUNCHES

ELM CITY

The "Elm City" Metal Punch embodies a new movement in compound leverage which gives it power far beyond any other tool yet invented for this purpose

Compound Leverage.

Interchangeable Dies

Each tool is equipped with one set of dies.

One male and one female die in a set.

The Dies open ⅜ in. and reach 1 in. from edge of metal.

Per Dozen

No. 17 9 in. Long Drop Forged Steel Head, Heavy Sheet Steel Handles, Compound Leverage, Interchangeable Dies, One Male and One Female Specify Sizes Wanted when Ordering, Weight Each 1⅝ Lbs. **$30 00**

1/8, 5/32 and ⅛ in. Dies safely punch No. 14 Gauge Sheet Iron.
5/32 and 3/16 in. Dies safely punch No. 15 Gauge Sheet Iron.
3/16 and ¼ in. Dies safely punch No. 16 Gauge Sheet Iron.

Per Dozen Sets

Extra Dies—One Dozen Sets in a Box, Specify Size when Ordering **$7.00**

TICKET PUNCHES

PARAGON

Per Dozen

No. 250—5 in. Long, Crucible Steel, Full Nickel Plated, Non-Friction Spring, Assorted Designs, Weight Per Dozen 3¼ Lbs. **$3.75**

A good serviceable Ticket Punch at a low price.
One in a Carton; Six Cartons in a Box.

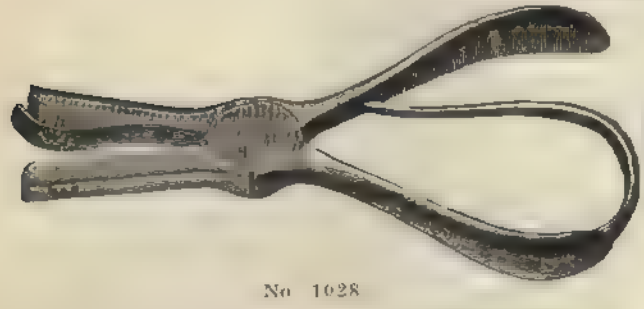
PARAGON RESERVOIR

Per Dozen

No. 260—5 in. Long, Crucible Steel, Full Nickel Plated, Non-Friction Spring, Assorted Designs, with Reservoir, Weight Per Dozen 3¼ Lbs. . . **$4.25**

The reservoir, with a spring shutter for retaining clippings which otherwise would litter the floor, is a desirable feature for card parties, etc.
One in a Carton; Six Cartons in a Box.

CONDUCTORS'



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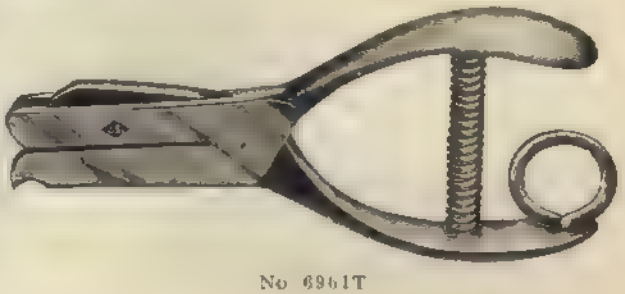
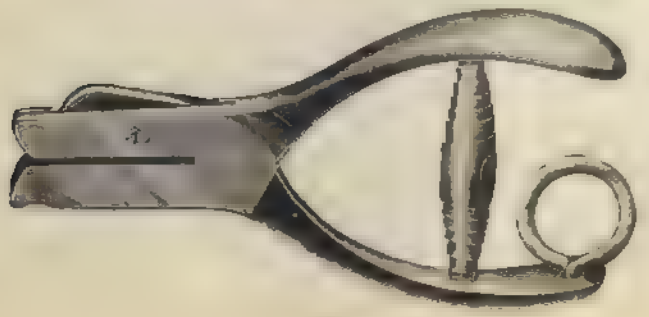


No. 6961T



No. 6971K

Per Dozen

No. 1028—O. K., 4½ in. Long, Nickel Plated, Cuts 1⅛ in. from Edge, Assorted Designs, Steel Spring **$12 00**

No. 6961T—Traction, 4½ in. Long, Nickel Plated, Cuts 1 in. from Edge, Assorted Designs, Weight Each 4½ Oz. **18 00**

No. 6971K—4½ in. Long, Nickel Plated, Cuts 1¼ in. from Edge, Assorted Designs, Weight Each 4½ Oz. **21.00**

SPRING PUNCHES

SINGLE TUBE

"Screw" Tube, Cast Steel Frame, Japanned Handles, Polished Head.

Assorted Sizes of Tubes in a Dozen.

Length, Inches	4	6	8
Reach, Inches	¾	¾	1½
Wt. Per Dozen, Lbs.	3	5	7
Per Dozen	$6.50	7.00	8.00

One-half Dozen in a Box.

Per Dozen

Extra Tubes—To Screw, Assorted Sizes.....$....

"Drive" Tube, Solid Forged Steel Frame, Single Joint,

Per Dozen

No. 25A—7½ in. Long, Assorted Sizes of Tubes in a Dozen, Weight Per Dozen 6 Lbs. $5 00

One Dozen in a Box.

Per Dozen

Extra Tubes—To Drive, Assorted Sizes.. . . $2 00

REVOLVING

"Drive" Tubes, Solid Forged Steel Frame, Full Polished.

Per Dozen

No. 26A—8 in. Long, 4 "Drive" Tubes, Nos. 4, 6, 8 and 10, Weight Per Dozen 9¼ Lbs.....$16.00

No. 26AA—8 in. Long, 6 "Drive" Tubes, Nos. 4, 6, 7, 8, 9 and 10, Weight Per Dozen 9½ Lbs.. 20.00

One-half Dozen in a Box.

Per Dozen

Extra Tubes—To Drive, Assorted Sizes.....$2 00

BERNARD REVOLVING

"Screw" Tubes, Crucible Steel Frame, Parallel Jaws, Adjustable Gauge, Full Nickel Plated.

Per Dozen

No. 180—8 in. Long, 6 "Screw" Tubes, Nos. 1, 2, 3, 4, 5 and 6, Weight Per Dozen 14 Lbs.....$24.00

One in a Carton; Six Cartons in a Box.

Per Dozen

Extra Tubes—To Screw, Assorted Sizes..... ....$2 00

The Gauge enables the user to punch holes at uniform distances. A non-friction spring automatically opens the jaws. The parallel jaws hold the tube in a vertical position

ROUND BELT PUNCH AND PLIER

BERNARD

No. 115—Crucible Steel, Parallel Jaws, Closed-In Handles, Full Nickel Plated.

Length, Inches	5	6
For Round Belting, Inches	⅛	⅜
Weight Per Dozen, Lbs.	4½	6½
Per Dozen	$12.00	14.00

A Punch, Cutter and Staple Clamping Plier made to operate on round leather belting for sewing machines, etc. It cuts off the belting and pierces it in one operation, and is also provided with a space for clamping belt hooks.

One in a Carton; Six Cartons in a Box.

PAPER PUNCHES

BERNARD

Note — When Ordering Always State If Wanted with ⅛ or ¼ in. Dies or Both.

Crucible Steel, Parallel Jaws, Full Nickel Plated.

Per Dozen

No. 140—6½ in. Long, Weight Per Dozen 9 Lbs..$20.00

Made especially for punching ⅛ or ¼ in. round holes in loose leaf sheets, etc. The adjustable gauge with 1 in. scale insures accurate and uniform work.

One in a Carton; Six Cartons in a Box.

ENAMELED WARE.

SEAMED OVAL DINNER BUCKETS.

Dark Gray Enameled with White Specks Inside and Out.

No. 1425—Listed capacity 5 quarts with deep inset and pie tray, cover rim outside, w't per doz. 42 lbs., per dozen ..... **AJAJ** $35.20

No. 1425-C—With Cup, w't per doz. 45 lbs., otherwise same as No. 1425, per dozen ..... **AJHJ** $27.00

ONE DOZEN IN A CASE.

CHURNS.

No. 18—Il-a-noy, height 18½ in., diameter at top 9 in., at center 10½ in., capacity 5½ gal., wood lid and regulation dasher, extra enameled cover which may be put on when not used as a churn, w't per doz. 150 lbs., per dozen ..... **BAFJ** $40.00

Mottled outside with white lining

ONE IN A CRATE.

DINNER PAILS.

No. 545—Il-a-noy—Round, seamless, enameled cover locked on by bail, size 6¼x7¼ in., tray 7¼x6½ in., two coats of enamel, mottled outside with white lining, w't per doz 45 lbs., per dozen ..... **JHAJ** $18.00

ONE DOZEN IN A CASE.

No. 445—Round, seamless, enameled cover locked on by bail, size 6¼x7¼ in., tray 4¼x7¼ in., two coats of light speckled enamel inside and out, w't per doz. 35 lbs., per doz. **JGGJ** $17.50

ONE DOZEN IN A CASE.

No. 0140—Il-a-noy, Round, seamless, enameled, 7¼x6½ in., inset 6½x4¼ in., two compartment with pie tray, cover rim outside, wood grip, w't per doz. 45 lbs. .....per dozen **JIFJ** $19.00

ONE DOZEN IN A CASE.

No. 540—Il-a-noy, Oval 9x6½x4½ in., seamless, with 9x6½x3½ in. tray, enameled cover locked on by bail, w't per doz 40 lbs., per dozen ..... **AJEJ** $21.00

ONE DOZEN IN A CASE.

Il-a-noy Ware is mottled on the outside, with white lining.

COFFEE POTS.

Seamless, with Enameled Covers.

No. 2007½—Outside enameled turquoise blue with white vein, inside pure white, listed capacity 2½ qt., w't per doz. 6 lbs.....per dozen **DHJ** $7.75

ONE DOZEN IN A CASE.

LIPPED SAUCE PANS.

No. 9—Outside enameled turquoise blue with white vein, inside pure white, listed capacity ½ qt., w't per doz. 3 lbs. .....per dozen **AGJ** $2.75

TWELVE DOZEN IN A CASE.

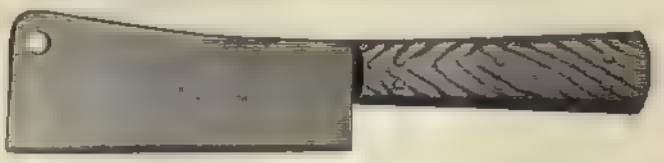
CEREAL COOKERS.

Seamed, Enameled Covers.

No. 14—Outside enameled turquoise blue with white vein, inside pure white, capacity inside boiler 1½ pts., w't per doz. 19 lbs., per dozen **JFGE** $11.

TWO DOZEN IN A CASE.

KITCHEN CLEAVERS



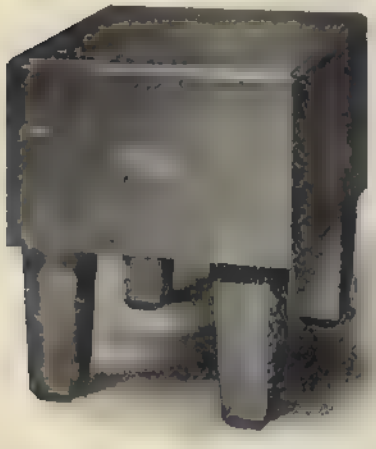
Polished Tool Steel Blade, Beech Handle — Per Dozen

No. 6—6 in. Blade. Handle Securely Fastened with Brass Rivets. Weight Per Dozen 7 Lbs. . . . . $. . .

One-half Dozen in a Box.

BUTCHERS' BLOCKS

WOOD WELDED SANITARY



Mission Style, Hard Rock Maple, Dovetailed and Glued Joints, Block is 17 in. Deep, Legs are 18 in. Long, 35 in. High Over All.

Size, Inches	24x24	24x30	30x30
Each	$.....	.....	.....

Size, Inches	30x40	30x60	30x70
Each	$.....	.....	. .

This block is particularly constructed for heavy work, and is hand finished

An extra large chamfer is cut around the top edges of the block which safe-guards against splintering the outer edges of the block

FRUIT JARS

BALL IDEAL

All Glass, Sealed by Vacuum and Spring Wire Lever Pressure.

Nos.	1	2	3
Capacity	1 Pt	1 Qt.	½ Gal
Weight Per Gross Lbs	156	204	288
Per Gross	$....	.	. .

The contents never come into contact with anything but glass. Easy to seal and easy to open. Simple, sanitary and durable

Does not require a new top every year, as the glass cover will last as long as the jar itself

One Dozen in a Paper Carton, with Rings.

COFFEE MILLS

ENTERPRISE

Per Dozen

No. 00—9 in. High Over All, Cast Iron, Fancy Decorations, Grinders Adjustable to Pulverize, Granulates 6 Ozs. of Coffee Per Minute. Screws to Wall. Wt Per Dozen 72 Lbs . $ . .

One Dozen in a Case.

Per Dozen

No. 0—11½ in. High Over All, Cast Iron, Fancy Decorations, Grinders Adjustable to Pulverize, Granulates 6 Oz. of Coffee Per Minute, with Table Clamp, Weight Per Dozen 72 Lbs . . . . . .$ . .

One Dozen in a Case.

COFFEE MILLS

UNIVERSAL

Per Dozen

No. 0010—8¼ in. High Over All, Detachable Cup, Patent Adjustable Grinders, Black Enameled, Gilt Decorations, Grinds as Fine or Coarse as Wanted, Screws to Wall, Weight Per Dozen 44 Lbs. .....$....

One-half Dozen in a Case.

Per Dozen

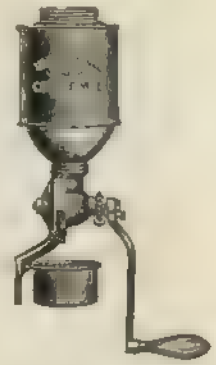
No. 0014—11¼ in. High Over All, Patent Adjustable Grinders, Black Enameled, Gilt Decorations, Grinds Fine or Coarse as Wanted, with Table Clamp, Weight Per Dozen 62 Lbs.....$ . .

One-half Dozen in a Case.

Per Dozen

No. 014—13¼ in. High Over All, Air Tight Canister Holds 1 Lb. and has Transparent Celluloid Window, Detachable Cup, Patent Adjustable Grinders, Black Enameled, Gilt Decorations, Grinds as Fine or Coarse as Wanted, Screws to Wall, Weight Per Dozen 58 Lbs.....$....

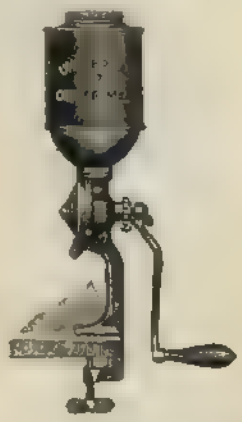
One-half Dozen in a Case.



Per Dozen

No. 0012—13¼ in. High Over All, Capacity of Canister 1 Lb., Detachable Cup, Patent Adjustable Grinders, Black Enameled, Gilt Decorations, Grinds as Fine or Coarse as Wanted, Screws to Wall, Weight Per Dozen 58 Lbs. .....$....

One-half Dozen in a Case.



Per Dozen

No. 012—18 in. High Over All, Capacity of Canister 1 Lb., Patent Adjustable Grinders, Black Enameled, Gilt Decorations, Grinds as Fine or Coarse as Wanted, with Table Clamp, Weight Per Dozen 66 Lbs.....$....

One-half Dozen in a Case.

UNIVERSAL

Per Dozen

No. 24 17½ in. High Over All, Capacity of Glass Canister 1 Pound, Detachable Glass Cup, Patent Adjustable Grinders, Black Enameled Gilt Decorations, Mill Attached or Released by Simple Turn of Thumb Screw on Wall Bracket, Weight Per Dozen 83 Lbs.....$....

One-half Dozen in a Case.

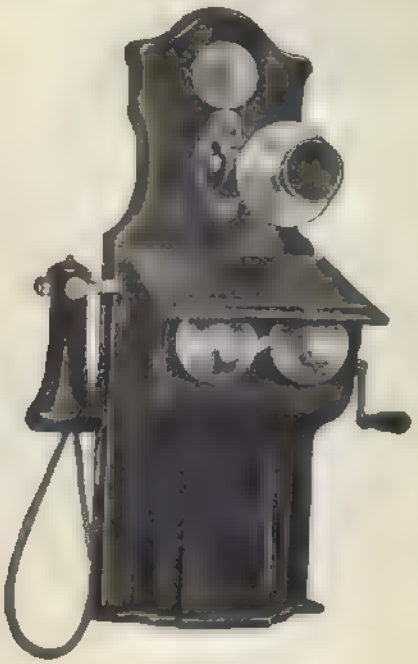
ARCADE

Per Dozen

No. 3—Crystal, Capacity of Glass Canister 1 Pound, Detachable Graduated Glass Cup, Black Enameled Iron Parts, Adjustable Grinders, Grinds as Fine or Coarse as Wanted, Glass Cup is Marked with Tablespoon Graduations, Screws to Wall, Weight Per Dozen 90 Lbs..... . . . $....

One-half Dozen in a Case.

ERICSSON ALL STEEL TELEPHONES



Ericsson

The handsome steel cabinet is drawn from 16 gauge cold rolled steel. The parts making up the cabinet are then securely riveted together, and the assembled cabinet heavily copper plated to absolutely prevent rusting. Then comes the enameling process, which consists of dipping the cabinet and baking on the enamel three separate times. By this means the smooth, glossy indestructible finish is produced.

The Generator is bolted to a fibre mounting plate which is securely fastened to the steel frame. This fibre is made moisture proof by a special process, and thoroughly insulates the generator from the surrounding steel frame.

The Transmitter is the new No. 5 Ericsson Multicellular Capsule Transmitter which never packs, and for clearness of articulation, ability to talk over long distances and small battery consumption, has never been equaled.

The Receiver is the widely known Ericsson Bi-Polar Receiver with all connections concealed.

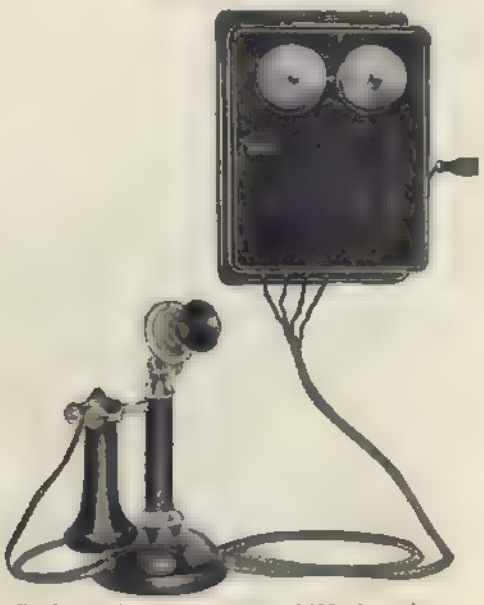
The Ringer is carefully constructed, and two magnets are used so as to produce a strong magnetic field and thus a very sensitive ringer. By using only one screw an effective and permanent adjustment is obtained.

The Lightning Arrester is especially designed for the steel set, is enclosed in a steel cup, and covered with a nickeled plate. This plate is removed by simply loosening two screws, which are fastened to the cabinet so that they cannot be lost.

No. 315L	Bridging, 3 bar generator, 300-ohm ringer	each,	**$19.50**
No. 317	Bridging, 4 bar generator, 1600-ohm ringer	each,	**21.50**
No. 318	Bridging, 5 bar generator, 1600-ohm ringer	each,	**23.50**

MAGNETO DESK SETS

Standard Type



No. 415 Bridging 4 bar generator, 1600-ohm ringer. Each **$27.00**

EXTENSION BELLS

In Iron Box

Local Battery Without Condenser

No. 104 1600-ohm, each **$6.00**

The Keystone Watch Case Co.'s Fine Excelsior Chronographs and Horse Timers

Illustrations Are Exact Size

Prices Quoted Are For Complete Watches

Dial View

One-fifth second—start, stop and fly back—operated from the crown.

An "Ideal, Desirable and Accurate" Chronograph. "THIN MODEL" 16 Size, made in 7 and 11 Jewels. Fitted with "SILVERODE." "STERLING SILVER." 10 year Gold Filled and 20 year Gold Filled Cases in assorted designs as illustrated and quoted.

DESCRIPTION OF MOVEMENT

OPEN FACE, ¾ plate, Stem Wind, Train bearings in metal Settings. Quick train. Nickel damaskeened. One-fifth second—start, stop and fly back—operated from the crown. Cut Expansion Balance. Breguet Hair Spring.

ALL CASES ARE SCREW BACK AND SCREW BEZEL

MOVEMENT VIEW

Stem wind, stem set. Also made in 11 jewels as quoted.

PLAIN POLISHED DESIGN

No. 1871 Sterling silver case fitted with 7 jewel movement, each $ 12

No. 1872 Sterling silver case fitted with 11 jewel movement, each 22

No. 1873 Sterling silver case, fitted with 7 jewel movement, each 24

No. 1874 Sterling silver case fitted with 11 jewel movement, each 27

No. 1875 20 year gold filled case fitted with 7 jewel movement, each 21 50

No. 1876 20 year gold filled case fitted with 11 jewel movement, each 24 50

No. 1877 20 year gold filled case fitted with 7 jewel movement, each 25 50

No. 1878 20 year gold filled case fitted with 11 jewel movement, each 28 50

ENGINE TURNED DESIGN WITH SHIELD

No. 1879 Sterling silver case fitted with 7 jewel movement, each $ 25

No. 1880 Sterling silver case fitted with 11 jewel movement, each 27

No. 1881 Sterling silver case fitted with 7 jewel movement, each 24

No. 1882 Sterling silver case fitted with 11 jewel movement, each 27

No. 1883 20 year gold filled case fitted with 7 jewel movement, each 21 50

No. 1884 20 year gold filled case fitted with 11 jewel movement, each 24 50

No. 1885 20 year gold filled case fitted with 7 jewel movement, each 25.50

No. 1886 20 year gold filled case fitted with 11 jewel movement, each 28.50

ENGRAVED HORSE HEAD DESIGN

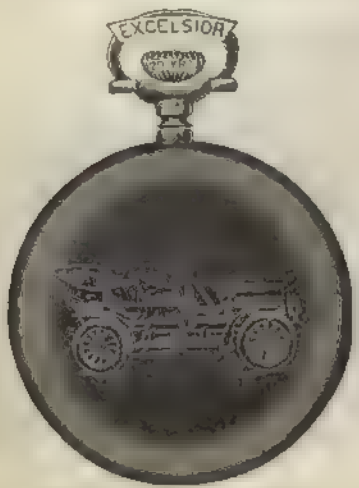
No. 1887 20 year gold filled case fitted with 7 jewel movement, each $21 50

No. 1888 20 year gold filled case fitted with 11 jewel movement, each 24 50

No. 1889 20 year gold filled case fitted with 7 jewel movement, each 25

No. 1890 20 year gold filled case fitted with 11 jewel movement, each 28 50

These Chronographs are thoroughly timed at Factory and guaranteed by Manufacturers.



ENGRAVED AUTO DESIGN

No. 1891 20 year gold filled case fitted with 7 jewel movement, each $25.50

No. 1892 20 year gold filled case fitted with 11 jewel movement, each 28.50

ENGRAVED HORSE HEAD DESIGN

No. 1893 Sterling silver case fitted with 7 jewel movement, each $25.50

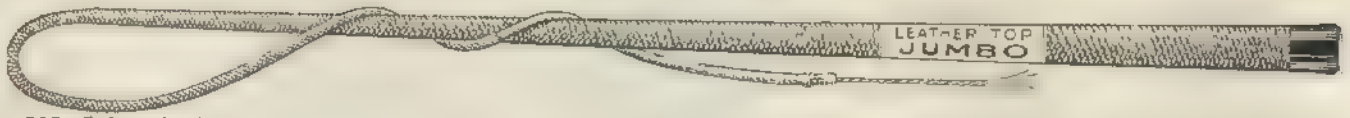
No. 1895 20 year gold filled case fitted with 11 jewel movement, each 28.50

ENGRAVED HORSE AND SULKY DESIGN

No. 1895 20 year gold filled case fitted with 7 jewel movement, each $25.50

No. 1896 20 year gold filled case fitted with 11 jewel movement, each 28.50

EXPRESS WHIPS

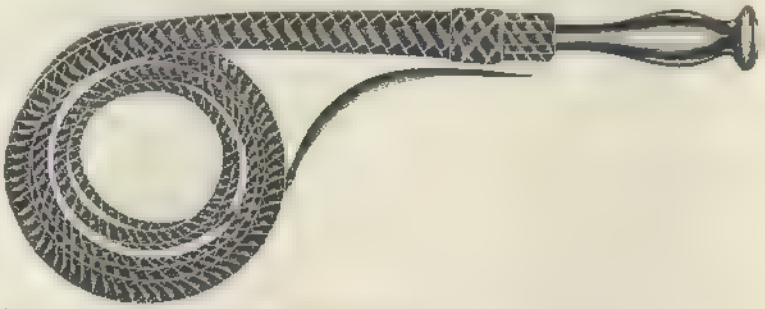


No. 225 5 feet, leather lash jumbo, 5 feet stock, 3 feet leather top 4 plait light and dark russet cover, black japanned head, full length 8 feet, weight per dozen 4 pounds . . . . . per dozen **$4.00**

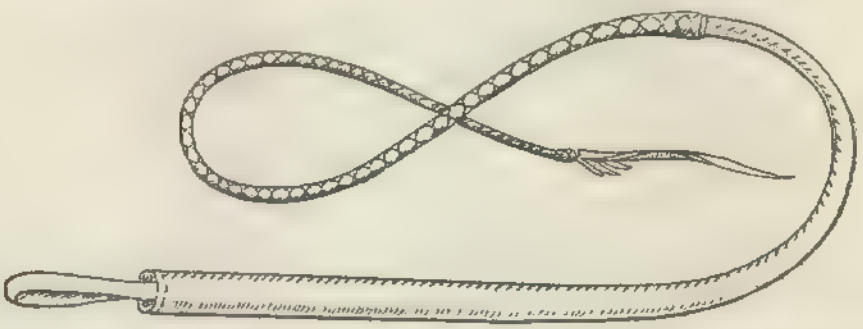
No. 200 3½ feet, java cab, russet color, japanned cap, two combination buttons, solid leather, 3 feet drop, loop snap, full length 6¾ feet, weight per dozen 5½ pounds.....per dozen, **$8.00**

TEAM WHIPS

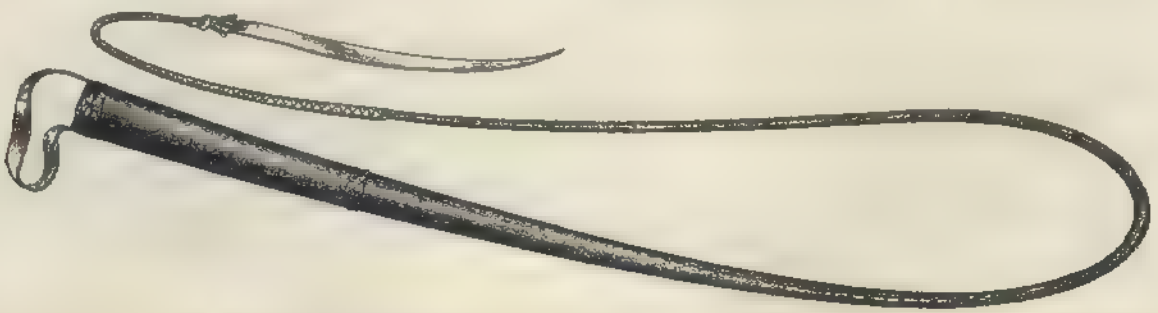
No. 300 5 feet solid leather team, braided 4 plait russet cover, loop and two leather buttons, buck snap, weight per dozen 6 pounds .....per dozen, **$8.00**



No. 400 5 feet, solid leather driver, braided russet horse hide cover, swivel wood handle, buck cracker, weight per dozen 10 pounds . . . . . per dozen, **$9.00**

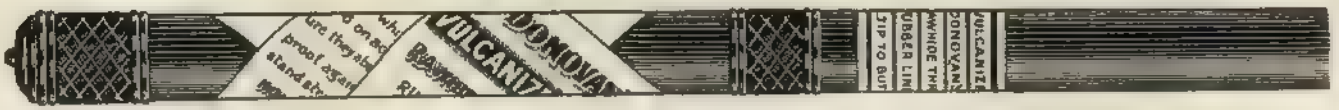


No. 5046 5 feet russet buck stitch cover, russet horsehide points leather loop, lace cracker, weight per dozen 6½ pounds . . . . . per dozen, **$12.00**



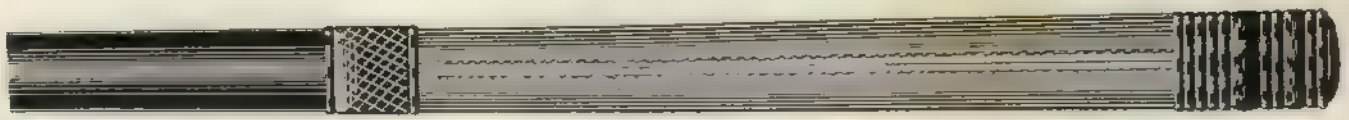
No. 5001 5½ feet, BXX, oiled tanned cover, buck stitch, braided lash, leather loop, two buttons, weight per dozen 12 pounds . . . . . per dozen, **$14.00**

BUGGY WHIPS

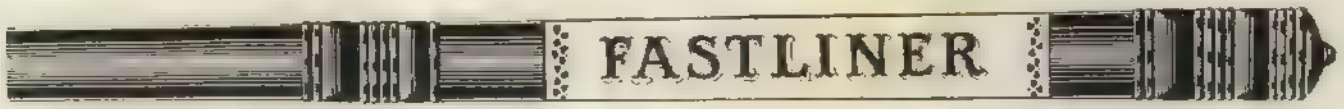


No. 75 6 feet "Donovan's" extra quality rawhide from snap through cap, black color, fine finish, japanned cap two combination buttons, rubber lined from snap to cap, hand made English snap, weight per dozen 6 pounds.....per dozen, **$12.00**

No. 50 6 feet rawhide from snap through cap, loaded, black color, fine finish, japanned cap two combination buttons, Philadelphia snap, weight per dozen 6 pounds.....per dozen, **$8.00**



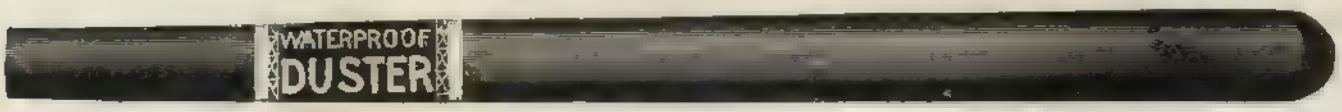
No. 35 6 feet prime java, black color, russet leather sewed handle, rubber cap 2 combination buttons, Philadelphia snap, weight per dozen 5 pounds.....per dozen, **$6.00**



No. 25X 6 feet, three colors, black, red and green assorted, loaded stock java, combination cap load, two long combination buttons, Philadelphia snap, weight per dozen 4½ pounds.....per dozen, **$4.00**

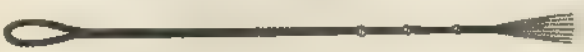
No. 25 6 feet, heavy stocked java loaded, black color, smooth finish, two chased buttons Philadelphia snap, weight per dozen 4½ pounds.....per dozen, **$4.00**

No. 15 6 feet, java black, wine and imitation colors, packed assorted, two combination buttons, Boston snap, weight per dozen 3½ pounds.....per dozen, **$2.50**



No. 10 5½ feet, java, black, assorted in packages, round end loop snap, weight per dozen 3 pounds.....per dozen, **$1.50**

WHIP CRACKERS OR SNAPS



Whip Crackers, weight per dozen ¼ pound.....per gross, **$1.50**

EXPRESS WHIPS

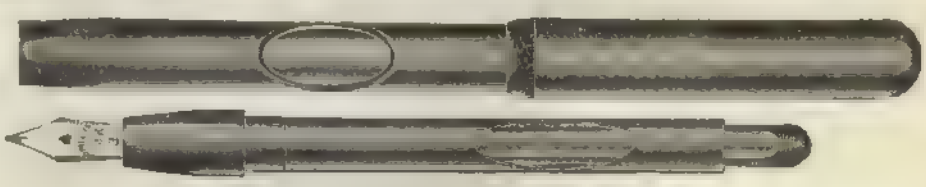
No. 100 2¼ feet, java cab, linen color, 4 plait, oil finish, 2½ feet drop, loop snap, full length 5½ feet, weight per dozen 3 pounds.....per dozen, **$1.65**

No. 125 3½ feet, java cab, linen color, 4 plait, oil finish, 2½ feet drop, loop snap, full length 6 feet, weight per dozen 3½ pounds.....per dozen, **2.50**

The Faultless Self-Filling Fountain Pen

THE MOST PERFECT SELF-FILLING FOUNTAIN PEN MADE

The Faultless Self-Filling Fountain Pen is a perfect combination, yet so simple that any one can put it out of order. The reservoir is filled with the ink by the pen itself, from the finest grade of [illegible] ink. The pen point is [illegible] and guaranteed by us to give satisfaction for many years. The rubber sac will not wear out. All pens are fitted with [illegible] guaranteed by us to give satisfaction for many years.



BI-SECTED VIEW SHOWING THE DIFFERENT PARTS.

DIRECTIONS FOR FILLING

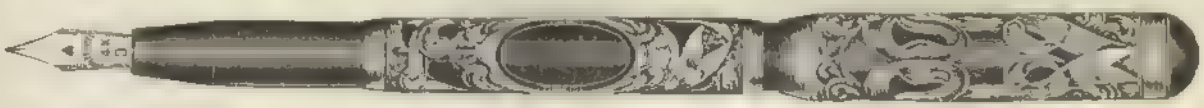
Turn the pen section around until opening in barrel shows inner rubber tube with metal bar cross. Dip pen in ink until ink entirely covers the gold pen. Then compress metal bar with finger and release it, filling pen. Then turn pen section back to original position so that inner rubber tube cannot [illegible].

No. [illegible] Fitted with No. 1, 14 karat solid gold pen, [illegible] holder, [illegible] cap, [illegible] $3.00

No. [illegible] Fitted with No. 3, 14 karat [illegible] pen, [illegible] cap, black or [illegible] holder, gold mounted, [illegible] $3.00

No. [illegible] Fitted with No. 2, 14 karat solid gold pen, two gold filled bands, [illegible] cap, each $2

No. [illegible] Fitted with No. 2, 14 karat solid gold pen, [illegible] mounted, each $3.00
No. 1533. No. 3 Gold Pen, black, mottled or chased holder, gold mounted, each 4.70



No. [illegible] Fitted with No. 2, 14 karat solid gold pen, [illegible] holder, [illegible] $4.00

No. B28 Fitted with No. 2, 14 karat solid gold pen, gold filled barrels, black rubber ends, each $5.00

[illegible] Gold initial inlaid on cap of Fountain Pen, list price [illegible], Monogram or emblem.

THE NEW NON-LEAKABLE FOUNTAIN PEN

Can be [illegible] by Post on and will not Leak

No. B103 Fitted with No. 2, 14 karat solid gold pen, black or mottled holder, vest pocket size, each $3.00
No. B104 Fitted with No. 2, 14 karat solid gold pen, black or mottled holder, regular size, each ..... [illegible]

LADIES' FOUNTAIN PENS. NON-SELF FILLER

Finest grade of mounting, 18 karat gold filled seamless stock, positively warranted to give satisfaction.

NON-LEAKABLE LADIES' FOUNTAIN PEN.

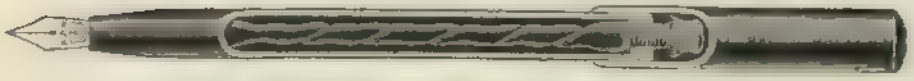
No. [illegible] Fitted with No. 1, 14 karat solid gold pen, two gold filled bands, black or red rubber holder, each $4.00
No. [illegible] Fitted with No. [illegible] karat solid [illegible] pen, [illegible] barrels, [illegible] [illegible] $[illegible]

No. B100 Fitted with No. 1, 14 karat solid gold pen, gold filled mounting, each $6.70

[illegible] Gold initial, monogram or emblem on cap of Fountain Pen, list price $1.00. Monogram or emblem.

A. A. Waterman & Company, Self-Filling Fountain Pens

Filled from Ordinary Ink Bottle by Simply Twisting the end of the holder. All Fitted with 14K Gold Pen Points
Illustrations of Pens Nos. 145 to 161 Show Two-Thirds Actual Size



Holder cut away showing Reservoir ready to fill

Ready for use.

PLAIN BLACK, CHASED BLACK OR MOTTLED HOLDERS

No. Y145	No. 2 Gold pen, fine, medium or coarse, each	$3.75
No. Y146	No. 3 Gold pen, fine, medium or coarse, each	4.20
No. Y147	No. 4 Gold pen, fine, medium or coarse, each	6.55
No. Y148	No. 5 Gold pen, fine, medium or coarse, each	7.40
No. Y149	No. 6 Gold pen, fine, medium or coarse, each	9.35
No. Y150	No. 7 Gold pen, fine, medium or coarse, each	9.35

WITH ¼ INCH GOLD FILLED BAND, CHASED OR PLAIN HOLDERS

No. Y151	No. 2 Gold pen, fine, medium or coarse, each	$5.60
No. Y152	No. 4 Gold pen, fine, medium or coarse, each	8.40

WITH ⅜ INCH GOLD FILLED BAND, CHASED OR PLAIN HOLDERS

No. Y153	No. 3 Gold pen, fine, medium or coarse, each	$6.30
No. Y154	No. 5 Gold pen, fine, medium or coarse, each	8.35

WITH FILIGREE GOLD FILLED MOUNTINGS

No. Y155	No. 3 Gold pen, fine, medium or coarse, each	$14.80
No. Y156	No. 5 Gold pen, fine, medium or coarse, each	16.70

WITH FILIGREE STERLING SILVER MOUNTINGS

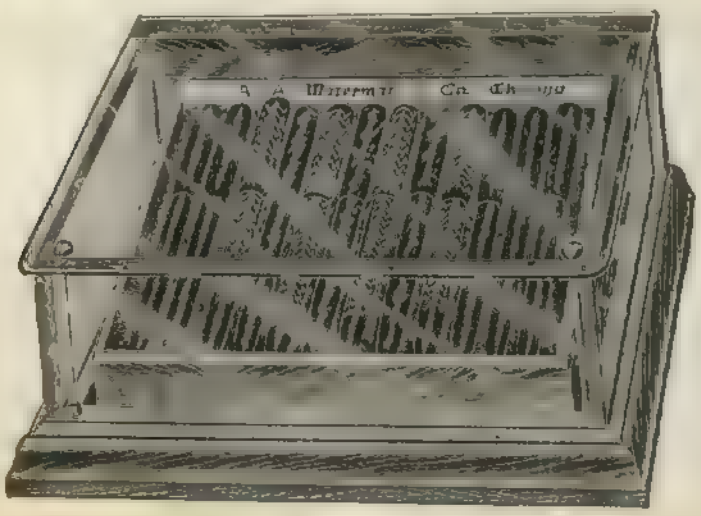
No. Y157	No. 3 Gold pen, fine, medium or coarse, each	$7.40
No. Y158	No. 5 Gold pen, fine, medium or coarse, each	9.35

WITH 18K GOLD FILLED, FULL CHASED BARREL AND CAP

No. Y159	No. 5 Gold pen, fine, medium or coarse, each	$16.70

WITH 18K GOLD FILLED BARREL AND CAP

No. Y160	No. 2 Gold pen, fine, medium or coarse, each	$14.80
No. Y161	No. 3 Gold pen, fine, medium or coarse, each	16.70



FOUNTAIN PEN ASSORTMENT IN CASE.

Contains 12 assorted A. A. Waterman's pens, sizes 2, 3 and 4, 14k points, 6 self-fillers and 6 regular fillers. Fully guaranteed. Heavy plate glass case, quarter sawed oak frame. Plush lined tray for pens. Size of case 9½x8¾x3¾ inches.

No. Y178 Per case as illustrated $50.70

Automatic Self-Filling Safety Pens

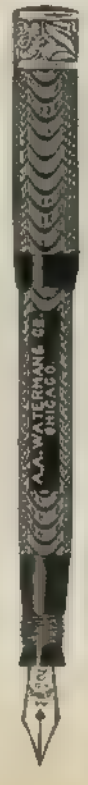
The Fountain Pen combines all of the advantages of the Self-Filling Pen with those of the Safety. It can be carried in a shopping bag, in the vest pocket or anywhere else with no danger of leaking. It is made in two lengths, regular and short, and in four sizes.

SECTIONAL VIEW OF CAP ORDINARY LENGTH HOLDER. FULL SIZE ILLUSTRATION.

No. Y162	No. 2 Gold pen, fine, medium or coarse, each	$4.70
No. Y163	No. 3 Gold pen, fine, medium or coarse, each	5.15
No. Y164	No. 4 Gold pen, fine, medium or coarse, each	7.50
No. Y165	No. 5 Gold pen, fine, medium or coarse, each	7.40
No. Y166	No. 6 Gold pen, fine, medium or coarse, each	9.35

SECTIONAL VIEW OF CAP SHORT HOLDER. FULL SIZE ILLUSTRATION.

No. Y166	No. 2 Gold pen, fine, medium or coarse, each	$4.70
No. Y167	No. 3 Gold pen, fine, medium or coarse, each	5.15
No. Y168	No. 4 Gold pen, fine, medium or coarse, each	7.50
No. Y169	No. 5 Gold pen, fine, medium or coarse, each	7.40



CAP MOUNTED WITH 18K GOLD FILLED BAND ⅜ INCH WIDE

No. Y170	No. 2 Gold pen, fine, medium or coarse, each	$5.65
No. Y171	No. 3 Gold pen, fine, medium or coarse, each	7.40
No. Y172	No. 4 Gold pen, fine, medium or coarse, each	8.35
No. Y173	No. 5 Gold pen, fine, medium or coarse, each	9.35

CAP MOUNTED WITH 18K GOLD FILLED BAND ⅜ INCH WIDE.

No. Y174	No. 2 Gold pen, fine, medium or coarse, each	$7.40
No. Y175	No. 3 Gold pen, fine, medium or coarse, each	8.35
No. Y176	No. 4 Gold pen, fine, medium or coarse, each	9.35
No. Y177	No. 5 Gold pen, fine, medium or coarse, each	10.20

FELT PENNANTS

AND NOVELTIES. A large variety of styles and sizes including the latest creations in Felt Goods The prices we quote on dozen lots enable even the smallest merchant to meet the competition of syndicate or department stores.

STENCILED COLLEGE AND FRATERNAL FELT PENNANTS —Stock Designs.

1 of 12 styles

Fraternal—1 pc. solid ground stenciled name of lodge or society and insignia in colors.

Knights Templar	I. O. O. F.
B. P. O. E.	B. of R. T.
I. O. R. M.	Jr. O. U. A. M.
K. of C.	W. O. W.
Mason.	Y. M. C. A.
Moose	Y. W. C. A.

N3560—12 x 30. Asstd. 1 doz. in pkg ..... Doz. **78c**

N3561 **Special value.** 14 x 36. Asstd 1 doz. in pkg ..... Doz **84c**

Note To get local organization or fraternity designs see "special order pennant s."

1 of 12 styles

College—1 pc. solid grounds representative colleges, correct colors with stenciled names and mascot or seal.

Cornell.	U. S. M. A.
Columbia.	U. S. N. A.
Dartmouth.	Yale
Harvard	Carlisle.
Princeton.	Brown.
Syracuse	Pennsylvania.

N3562 – 12 x 30. Asstd 1 doz. in pkg ..... Doz. **78c**

N3559 – **Special Value.** 14 x 36. Asstd 1 doz. in pkg ..... Doz. **84c**

Note: To get the school pennant of your town see "special order pennants."

FELT NOVELTY PENNANTS —Stock Designs.

N3490 "Let Us Have Peace." 12 x30, good grade white felt, lettering and dove design in blue ink, color less. 1 doz. in pkg Doz. **78c**

N3491 "Buy a Bale of Cotton." 12x30 asstd. color good qua lity fe., double stenciled, under white felt lettering, colorless, asstd. colors 1 doz. in pkg. Doz. **78c**

"NATION" PENNANTS —Stock Designs.

1 of 9 styles

Stenciled—1 pc. solid ground stenciled name and flag or coat of arms in representative colors Asstd in best selling proportions

United States.	France.
Great Britian.	Russia
Germany	Austria-Hungary.

N3563—22x30. Asstd. 1 doz. in pkg. Doz. **78c**

N3564 – **Special Value.** 14 x 36. Asstd 1 doz. in pkg . Doz. **84c**

1 of 4 styles

Applied Felt Letters—12x30, 3 pc. representative colors combination grounds, applied felt letters treated with rubber cement composition, positively will not loosen 1 doz. in pkg.

N3565—U. S. A.
N3566—Gt. Britain.
N3567—Germany
N3571—France.
N3568—Asstd U. S. A. Gt. Britain Germany and France. Doz. **87c**

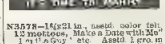
COMIC PENNANTS —Stock Designs.

Very attractive but conservative designs.

2 of 12 styles

N3995 –12x36 good quality felt, 12 asstd. stenciled comic designs, 1 doz. in pkg. Doz. **84c**

MOTTO HAT BAND.



N3578—1¾x21 in., asstd. color felt, 12 mottoes, Make a Date with Me" I will Marry" etc. Asstd 1 gro in box Gro **$1 25**

NOVELTY FELT HAT.

The latest hats for carnivals, bazaars, fairs, cartivalions, etc. One piece good felt, assorted colors, well finished edge stenciled designs and borders in colored colorless inks.

N3480 **Comic Mottoes.** Some Kid," "Kiss Me, Nothing Makes Me Sick," "Don't Monkey With Me," I'm The Only Girl," etc. Asstd 1 doz. in box. Doz. **75c**

FELT NOVELTY BAG For Misses and Women.

N3483—10x8, good quality soft felt, fancy shape, 1 pal colored decorated front, asstd design s and best selling colors, draw string cord handle Asstd. 1 doz in box . . . Doz **89c**

11x7 IN. FELT MOTTOES—Twelve Designs.

New idea, bound to be big sellers.

N3486—11x7 soft felt, asstd colors well known clever comic sentiments, freshness and religious mottoes in white decorations in color Asstd 2 doz. in box . Doz **36c**

"EUROPEAN RULERS" FELT BANNER.

Portraits of the principal men in the public eye today

3 of 8 subjects

N3580—7x10 asstd color felt metal top with loop hanger, 6 subjects, portraits and titles in colorless inks.

President Poincaire of France.
Pope Benedict XV
King George V of England
Nicholas, Czar of Russia
Kaiser Wilhelm of Germany
Emperor Franz Josef of Austria

Asstd 2 doz. in box Doz. **38c**

FELT CENTERPIECES. Stock Designs.

Make excellent lamp stands

N3576—18 in. "Good Fellows Fair Weather." Stenciled design for the day. Asstd. colors picked edges. Asstd 1 doz in pkg . Doz. **82c**

1 of 6 styles

N3577—Oval, 14 x 32, 6 subjects, tinted stencil floral fruit and conventional designs, asstd. colors Asstd 1 doz. in pkg Doz. **82c**

1 of 6 styles

N3405—18 in. 6 designs, tinted stencil floral fruit and conventional design picked edge, good felt, asstd. colors. Asstd 1 doz in pkg Doz. **82c**

1 of 6 styles

N3575 11 in Appliqued glistening glass dew floral and fruit designs in natural tints, good felt, asstd. colors. Asstd 1 doz. in pkg Doz **84c**

All Pennants, Centerpieces, etc., on this page (except "made to order"), are carried in stock and can be shipped PROMPTLY.

MADE TO ORDER FELT PENNANTS

NOTE—In ordering state plainly name desired and combination of colors. No more than 11 letters to the name. If the name is longer, abbreviate it. Two weeks is the maximum time required for delivery.

Be Sure To Give Colors!

APPLIED LETTER FELT PENNANTS Made to Order.

Good quality felt, applied letters treated with rubber cement composition have more finished appearance than sewed letters and positively will not come loose. With name of home town, local school, fraternity, club, college or special events as desired Colors as desired but they must be all of one kind and one design to the lot — no color assort ments. All pennants in this NO LESS SOLD.

N3466—29x13, solid 1 pc. ground. In lots of 4 doz. ..... Doz. **78c**

N3461—29x12, fancy 3 pc. panel ground. In lots of 4 doz..... Doz. **89c**

NOTE In ordering state plainly name desired and combination of colors. No more than 11 letters to the name. If the name is longer abbreviate it. Two weeks is the maximum time required for delivery.

STENCILED LETTER FELT PENNANTS—Made to Order

Town and School Pennants - 12x30, 1 pc. solid ground asstd color pennants, color letters.

N3550 1 gro. in pkg. . . Gro	$6 50
N3551—2 " " " "	9 00

3 Pc. Stitched Combined Color—12x30, stenciled lettering, one color combination on ground, 1 color letters. Very attractive.

N3554 12 doz in pkg	Doz $0 92
N3555—24 " "	" 89

Floral Designs—12x36. 1 pc. solid ground asstd. floral designs in natural hues. Asstd color pennants, 1 color stenciled letters

N3559—12 doz. in pkg . . Doz	$0 92
N3561—24 " " "	89

"ONE PRICE TO ALL"

To that unvarying policy must be attributed to a great degree the singular success of this business.

SEWED LETTER FELT PENNANTS Made to Order.

N3556—12x30, 1 pc. solid ground 4 doz. in pkg Doz **89c**

N3557—Graduated letters, 12x30, 1 pc. solid ground good grade all wool felt, colors as desired 4 doz. in pkg. Doz. **$1 85**

PILLOW TOPS AND COVERS FELT AND LEATHER

In all the popular motto, college and fraternal designs. All stock designs ready for immediate shipment.

FELT PILLOW TOPS AND COVERS.

1 of 2 styles

Fraternal pillow tops, 18x18, assid. color felt, sealed or mossed in colored inks. 12 designs, as follows:

Columbia	U. S. N. A.
Cornell	Yale
Davis-Smith	Carlisle
Harvard	Pennsylvania
Princeton	"Good Fellows, Fair Weather"
Syracuse	Fair Weather"
U. S. M. A.	

N3541 Assid. subjects 1 doz. in pkg. . . . . Doz. 82c

N3582—Solid subjects, 3 doz. in pkg. . . . . Doz. 82c

N3464 **Novelty pillow top,** 18x18, good felt and 6 colors, 12 subjects. Heads cut, shaped and sewed on. Ass'd 1 doz. in various styles. Ass'd 1 doz. in pkg. . . . . Doz. 82c

1 of 3 styles

College pillow top, 18 x 18, assid. color felt, sealed or mossed in colored inks. 12 designs, as follows:

Columbia	U. S. N. A.
Cornell	Yale
Davis-Smith	Carlisle
Harvard	Pennsylvania
Princeton	"Good Fellows, Fair Weather"
Syracuse	Fair Weather"

U. S. M. A.

N3541 Assid. subjects 1 doz. in pkg. . . . . Doz. 82c

N3582—Solid subjects, 3 doz. in pkg. . . . . Doz. 82c

1 of 6 styles

Fraternal pillow cover, 24x24, assorted subjects in colored inks. Assid. color felt tops, fringe border, plain backs. 6 designs, assid. as follows:

N3583	Masons
N3584	Elks
N3585	K. of C.
N3586	I. O. O. F.
N3587	Odd Fellows
N3588	J. O. U. A. M.

Solid ½ doz. in pkg. Doz. $2.00

N3573—Assid. Nos. N3583-88 inclusive, assid. ½ doz. in pkg. . . . . Doz. $2.00

1 of 3 styles

College pillow cover, 24x24, college subject tops, seal or mascot in colored inks, assid. color felt, fringe border, plain back. 6 designs as follows:

Columbia	Pennsylvania
Yale	"Good Fellows, Fair Weather"
Cornell	
Harvard	

N3574 Assid. subjects ½ doz. in pkg. Doz. $2.00

N3539—Solid subjects, 2 doz. in pkg. Doz. $2.00

1 of 6 styles

N3572 **Novelty pillow cover** 24x24, 6 subjects in colored inks—"His Dream" "The Sachs or Man," "Dutch Kids," etc., assid. color felt tops, fringe border, plain backs. Assid. ½ doz. in pkg. Doz. $2.00

1 of 3 styles

N3579 "U. S. A." pillow cover, 24 x 24, 3 subjects, assembled tops, "U. S. A." with floral and conventional designs in colored inks, bush grade wool felt, fancy silk cord and tassels to match, fringe border, plain backs. Assid. ½ doz. in box. . . . Doz. $4.15

1 of 6 styles

N3616—**Motto pillow cover,** 24x24, good felt, blue, dark green and maroon assid. mottos, also red white felt mottos. Don't Worry, Simple Things Over Up. Assid. ½ doz. in pkg. Doz. $4.15

BE A PRICE TICKET CRANK Insist upon their use in all parts of your store. Don't deceive yourself to be satisfied until it's posted on shipping SHOW CARDS.

LEATHER PILLOW COVERS—

Include Tops and Backs.

N3510—25x30 burnt pyrography designs, brown velvet sheepskin fringe, leather lacing. 1 in pkg. . . . . Each, $1.50

Lodge. Full size skins, assid. Red and purple emblem in brown, maroon, green or the very best shield cloth, leather lacing, fringe. 1 in pkg.

N3611 Masonic

N3614—Knights Templars.

N3616—Mystic Shrine.

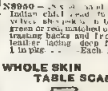
N3617 Knights of Columbus

N3618 Odd Fellows.

N3840—W. O. W. Each, $2.25

N3930—25x30 burnt pyrography designs, brown velvet sheepskin fringe, leather lacing, deep fringe. 1 in pkg. . . . Each $2.25

WHOLE SKIN TABLE SCARFS.



2 of 2 styles

Decorated Table Scarf—

2 styles, 7 oz. 8 oz. In hand burnt pyrography and pinto and designs selected velvet and plush cloths, maroon or brown. 1 in pkg.

N3844-1 Velvet

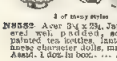
N3844-2—Maroon.

N3854-3—Brown. Each, $1.25

PIN CUSHIONS

Variety assortments of selected offerings from the markets of Europe and the Far East, also the selected domestic shapes, sizes, etc. Owing to their special design many of these make appropriate party favors and souvenirs **Priced right.** A small investment will enable you to make a handsome display—and **handsome profit.**

IMPORTED PIN CUSHIONS.



3 of many styles

N3552 Aver. 3½ x 3¾, Jap silk covered well padded, some hand painted ten bonbon lanterns, Japanese character dolls, many styles Assid. 1 doz. in box. . . . . Doz. 70c

4 of 3 styles

N1474—12 styles, aver. 3½x2 in., painted Jap silk mounds, well padded, grotesque and ravishing positions, set with bells, tiger, monkey, etc. Assid 1 doz. in box. . . Doz. 78c

2 of 6 styles

N1470—6 basket styles, aver ht. 5 in. natural tinted fruits, characters, dolls, some comic, some comfy boy styles, floral sprays Jap silk covered, well cloth padded. Assid. 2 doz. in box. Doz. 78c

2 of 12 styles

N360—12 styles, flower, leaf and heart shapes, plain and embossed velvets and satin combinations, pompoms and trimmings, assid colors, each filled with pins. Assid 1 doz. in box Doz. 78c

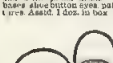
2 of 6 styles

N1475—6 fruit styles good plush, well padded, marked and tinted in natural colors. Assid 1 doz ½ box Doz. 78c

N1518 Jap silk Tea pot 4x3 assid colors, well padded hand painted scene decoration, silk braided handle. Assid. 1 doz. in box Doz. 78c

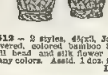
3 of 4 styles

N1476—4 comic heads, 2½ x 2¾, scotch, brown, Chinaman, negro and white girl heads on satin bases also button eyes painted on faces Assid. 1 doz. in box Doz. 84c



3 of 4 styles

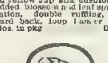
N1471—6 styles, Japanese aver. ht. 4½ in. stained bamboo baskets, natural tinted single fruits with leaves and satin combination pompoms and trimmings, assid colors, each filled with pins. Assid 1 doz. in box . . . Doz. 84c



2 of 6 styles

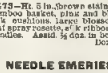
N1513—2 styles, 4½x3, Jap silk covered, colored bamboo baskets, doll head and silk flower rosette, many colors. Assid. 1 doz. in box Doz. 84c

N1472—2 styles, heart and round shapes, 4x3 assid. pink, lt. blue, red and yellow Jap silk cushions, well padded bisque head and feet, many decoration, double ruffling, heavy board back, loop hanger. Assid 1 doz. in pkg Doz. 95c



N1473—Ht. 5 in., brown stained split bamboo basket, pink and blue Jap silk cushions, large blossom and leaf spray rosette, silk ribbon bound handles. Assid. ½ doz. in box. Doz. $1.30

NEEDLE EMERIES.

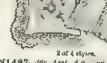


N1671 N 672

N1671—Strawberry shape, Powdered emery filled red cushion, sharpened needles, keeps them bright and free from rust. 1 doz. in box. . . Doz. 39c

N1672—Large strawberry, red satin green embroidered 1 doz. in box Doz. 60c

DOMESTIC PIN CUSHIONS.



2 of 4 styles

N1497 Ht. 3½ in., 4½x5½ in. painted scenes on satin, white back, 3½ x 4½ in. 1 satin with 1½ in. lace ruffle, ribbon bow bonnets and band well padded. Assid 1 doz. in box. . . . . Doz. 82c

2 of many styles

N1480—2 sizes, 5 and 7 in. square, hand painted satin and silkaine silk cushions, set with gold ribbon bow corners and trim, ribbonette rosettes 2 styles lace ruffles. Assid ½ doz. in box. . . . . Doz. $1.50

N1486—Doll Head. Ht. 3½ in. base 4 in., sleeper doll head, glass eyes, curly hair, assid flowers above, hood with ribbonette rosette, assid pink and blue ribbon trim. ½ doz. in box Doz. $1.90

SPOOL HOLDER ASSORTMENT.

With pin cushions and trays.

N1800—, styles, ht. 2¼ in., 3¼ in. bottoms, etc., nickel plated 4 and 6 arm spool holders, assid. color cord tops and velvet pin cushions. Assid 1 doz in box Doz. 78c

UNCOVERED PIN CUSHIONS.

Hard stuffed satin covered

N1486—6x6 in. Assid colors 1 doz. in pkg Doz. 75c

N1608—Log 12 in long Assid. colors. 1 doz. in pkg. . . . . Doz. 79c

Oblong Each size 1 pair blue, red, pink or green to box Doz.

N1435—11x4x2 1 doz. in box $0.82

N1436—14x4x2 ¾ " " " .89

EMERY FILLED NOVELTY CUSHIONS.

6 of 6 styles

N1477 6 styles aver 2x1½, rabbit, dog, cat and birds, natural colored plush, bead eyes some ribbon collars. Assid. 1 doz in box. Doz. 78c

3 of 4 styles

N1485—4 styles Mailing 2x1½ in. pin cushions, painted features and costumes leatherette base. Assid 1 doz in box . . . Doz. 82c

ANDIRONS

CIRCULAR

Per Pair

No. BA5286—Polished Chas. Brass; 18¾ inches High; 3¾ inch Ball Tops; Cast Iron Log Rests, 12 inches Long. Weight per Pair 10 lbs. $28 50

Brass Polished 18 inches High, 3½ inch Ball Tops.

Per Pair

No. BA1020—Straight Log Rests, 16 inches Long. Weight per Pair 10 lbs. $7 00

No. BA1021—Circular Log Rests, 12 inches Long; Weight per Pair 12 lbs. $8.00

One Pair in a Package.

Per Pair

No. 6512—Wrought Iron; Black Wrought Iron Finish, 18¾ inches High; Plain Octagon Pillars; Fancy Tops, Cast Iron Log Rests, 13 inches Long. Weight per Pair 23 lbs. $4 80

Loose

CIRCULAR

Per Pair

No. BA1030—Polished Cast Brass, 19 inches High, 3¾ inch Ball Tops; Cast Iron Log Rests; 13 inches Long. Weight per Pair 11 lbs. $10 00

One Pair in a Package.

CIRCULAR

This Variety is Made to Resemble Hand Hammered Brass; 18½ Iron or Heavily Copped with Brass, Oxidized, to Give a Colonial or Aged Appearance. The Hammer Marks are Slightly Polished.

Per Pair

No. CB50415—Wrought Iron, Colonial Brass Finish; 18½ inches High; 2¾ inch Tops; Cast Iron Log Rests ; 12½ inches Long. Weight per Pair 18 lbs. $10 00

Per Pair

No. 0565—Wrought Iron, Black Wrought Iron Finish, 18¾ inches High; Fancy Small Pattern Pillars, 4½ inch Fancy Six Lo Pattern Top; Cast Iron Log Rests, 9¾ inches Long. Weight per Pair 20 lbs. $4 80

Loose

CIRCULAR

Per Pair

No. BA1285—Polished Cast Brass, 18 inches High; 3¾ inch Ball Tops; Cast Iron Log Rests; 13 inches Long. Weight per Pair 10 lbs. $16. 80

One Pair in a Package

CIRCULAR—WITH BACK HEADS

Per Pair

No. 4021½ Wrought Iron, Black Wrought Iron Finish; 18 inches High Plain Swell Pillars, 4½ inch Ball Tops; Cast Iron Log Rests, 11 inches Long; Weight per Pair 30 lbs. $9.00

CIRCULAR—WITH BACK HEADS

Per Pair

No. 0050—Wrought Iron, Black Wrought Iron Finish, 21 inches High; Fancy Square Pillars, with 4 inch Ball Tops; Cast Iron Log Rests, 12½ inches Long Weight per Pair 40½ lbs. $13 50

Loose

ANDIRONS

CAST IRON

Per Pair

No. 0235 Colonial Black Wrought Iron Finish, 14 inches High; Plain Square Pillars, with Swelled Tops; Cast Iron Log Rests, 14½ inches Long; Weight per Pair 25 lbs. $4 50

CAST IRON

Black Japanned, Detachable Cast Iron Log Rests.

Per Pair

No. 80—Height 16 inches; Length of Log Rest 10 inches. Weight per Pair 12 lbs. $1 80

Loose

CAST IRON

Detachable Cast Iron Log Rests

BLACK JAPANNED

Per Pair

No. 815—Height 11¾ inches; 8¾ inch Log Rest. Weight per Pair 8½ lbs. $1 20

No. 818—Height 13½ inches; 11 inch Log Rest. Weight per Pair 11 lbs. 1 80

PLAIN CAST IRON

No. 139—Height 11¾ inches, 8¾ inch Log Rest. Weight per Pair 8½ lbs. 1 20

No. 118 Height 13½ inches; 11 inch Log Rest. Weight per Pair 12 lbs. 1 80

Loose

CAST IRON

Per Pair

No. 4011 Black Wrought Iron Finish, 15½ inches High; Plain Pillars, with Reverse Finishes; Cast Iron Log Rests ; 14½ inches Long. Weight per Pair 65 lbs $4 00

CAST IRON

Tuscan Bronzed, Detachable Cast Iron Log Rests.

Per Pair

No. 13—Height 16½ inches; Length of Log Rest 12 inches. Weight per pair 13 lbs. $1 00

Loose

Nos. 01 02, 03 Nos. A B C

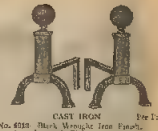
CAST IRON

Plain Stationary Cast Iron Log Rests

Nos.	Height, Inches	Length, Inches	Wt. Per Pair, Lbs.	Per Pair
4-01	8½	6½	12	$1 00
4-02	13½	11½	40½	1 80
4-03	15	12½	58	1 70

Nos.	Height, Inches	Length, Inches	Wt. Per Pair, Lbs	Per Pound
4-A	10½	10½	16	$0.07
4-B	21½	11½	32	07
4-C	15	13	34	07

Loose



CAST IRON

Per Pair

No. 4013 Black Wrought Iron Finish; 14 inches High; Plain Square Pillars; 3 inch Ball Tops; Cast Iron Log Rests ; 13 inches Long. Weight per Pair 29 lbs. $5 00

Loose

CAST IRON

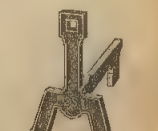
Height 14½ inches. Detachable Cast Iron Log Rests. Length 12½ inches.

Per Pair

No. 215—Black Japanned $1 80

No. 113—Plain Cast Iron, Weight per Pair 18 lbs. 1 80

Loose



CAST IRON

Plain Cast Iron Stationary Cast Iron Log Rests.

Per Pound

No. 16—Average Weight 16½ lbs. $0.07

No. 02—Average Weight 18 lbs. 07

No. 25—Average Weight 25½ lbs. 07

No. 30—Average Weight 28 lbs 07

Loose

Items Marked * Not Carried in Stock, Can Only be Furnished by Shipping Direct from Factory

FISHING TACKLE

WOODEN MINNOW ASSORTMENT

Coated with waterproof porcelain enamel and mounted with nickel plated hooks, spinners and connections. Length 2½ inches

No. 4194 White belly, green back
No. 4195 White belly, red back.
No. 4180 White enameled all over

Assorted one dozen on a card, per dozen cards.....**$3.00**

One card in a box

Weight about 2 pounds.

LEADERS

SUPERIOR GUT LEADER
FINE QUALITY
TRADE MARK
REGISTERED U.S. PAT. OFFICE
No. 490
DOUBLE 1 YARD
MIST
THE FULL STRENGTH OF THE LEADER IS INSURED IF MADE PLIABLE IN WATER BEFORE USING.

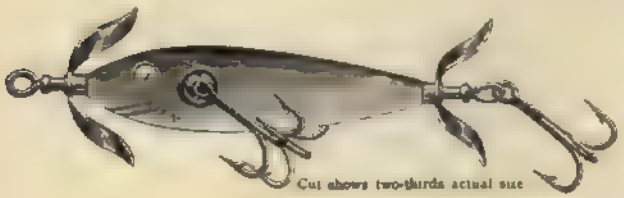
Best quality mist color gut

		Per Dozen
No. 9B	Single length 3 feet	**$1.50**
No. 9B	Double length 3 feet	**3.00**
No. 94	Single length 6 feet	**3.00**
No. 94	Double length 6 feet	**6.00**

One leader on a card; one dozen in a box

Weight per gross about 2 pounds.

NEVER FAIL MINNOW



Red cedar body coated with waterproof porcelain enamel, nickel plated hooks, spinners and connections. Length 2½ inches.

		Per Dozen
No. 3173	White belly, rainbow back	**$8.00**
No. 3193	Yellow perch	**8.00**
No. 3186	Yellow belly, sienna back	**8.00**
No. 3183	White belly, green back	**8.00**

One in a box; twelve in a carton

Weight 2¼ pounds

FISHING TACKLE ASSORTMENTS

For merchants who want to display a small and well selected supply of fishing tackle

No. 500 Size of box 10½ x 16½ inches, weight 3 pounds, each .....**$ 5.00**
Imperial Size of box 16¾ x 18 inches, weight [illegible] pounds, each **11.00**
Crescent Size of box 16¾ x 18 inches, weight [illegible] pounds, each **3.00**

FISHING TACKLE SIGNS

*DIAMOND

		Each
No. DFS—Heavy Stamped Tin, Finished with a Heavy Coat of Gold Bronze, the Words "Diamond Tackle" Lettered in Black; Such Sales of Sign are Stamped Out of a Sheet of Tin and Soldered Together, Giving it the Exact Shape of the Living Fish; Rings Soldered in Back, so Sign Can be Suspended in any Convenient Place. This Sign should be Hung in Front of Every Dealer's Store in Fishing Tackle. It is Appropriate and Helps to Increase Business. Size 34 inches Long by 10½ inches Through Widest Parts. Weight 1½ lbs.		$5.00
	Loose	

FISHING TACKLE ASSORTMENTS

*TRIUMPH

Triumph

TRADE MARK

A Most Convenient and Complete Fishing Tackle Assortment, Which enables the Retailer Very Materially in Supplying the Demands of the Trade. Includes Assortment of good Hooks, Colored Cork Floats, Sinkers, Fish Hooks Assortment Consists of good Hooks, Colored Cork Floats, Sinkers, Fish Hooks and Furnished Lines. This Assortment is Lettered up for the Retail Jobber Whose Trade is Limited to Staple Items of Fishing Tackle.

CONTENTS

150 Hooks No. C1/2	6 Dozen Linen Lines No. F
50 Hooks No. C 1/2 S	2 Dozen Linen Lines No. F1
100 Hooks No. B	1 Dozen Linen Lines No. F2
100 Hooks No. B1	1 Dozen Linen Lines No. F3
100 Hooks No. B2	3 Dozen Assorted Floats No. 200
100 Hooks No. B3	1 Dozen Assorted Floats No. 200
100 Hooks No. B2S	1 Dozen Assorted Floats No. 200
100 Hooks No. B3S	1 Dozen Assorted Floats No. 200
100 Hooks No. BC0	1 Dozen Assorted Floats No. 200
100 Hooks No. BC0.0	1 Dozen Assorted Floats No. 200
100 Hooks No. BC0.00	1 Dozen Assorted Floats No. 200
25 Hooks No. BC0.0	1 Dozen Assorted Floats No. 200
3 Dozen Sinkers No. BB	3 Dozen Floats No. 3 Quills
	1 Dozen Floats No. 4 Quills
	1 Dozen Floats No. 5 Quills
	1 Dozen Floats No. 6 Quills
	1 Dozen Floats No. 7 Quills

1 Dozen Sinkers No. C1 1 Dozen Sinkers No. C2 1 Dozen Sinkers No. C3

Each $10 00

Triumph Fishing Tackle Assortment, in Black Cherry Covered Cardboard Boxes Size 8¾ x 19½ x 2¾ inches. Weight, Each 2 lbs.

SPORTSMEN'S ENCYCLOPEDIAS

A Combined Complete Outdoor or Sportsmen's Library. By Col. F. H. Burnscott

Contains 864 Pages, 858 Illustrations, 114 Full Page Illustrations

A Complete Sportsmens and Outdoor Lovers Encyclopedia of Surprising Facts and Instruction! Contains Facts and Forty Years Startling Experiences and Instruction in the Ways of Famous Hunters, Scouts, Guides, Explorers, etc

	Each
Sportsmen's Encyclopedia—The Complete Works of Col. F. H. Burnscott, Bound in Cloth and Gold. Size 7x9½ Inches. Weight 20 ozs.	$1.70

JERSEYS

SOLID COLORS

Pure Cut Worsted Wool, Full Fashioned, Double Collars and Cuffs, Sizes 34 to 46 inches

	Per Dozen
No. JSMN—Navy Blue. Weight per Doz. 8 lbs.	$36.00
No. JSMM—Maroon. Weight per Doz. 8 lbs.	$4.00
No. JSMG—Gray. Weight per Dozen, 8lbs.	$4.00

Half Dozen in a Box

Any Other Color can be Furnished to Special Order from Factory, in Ten Days to Two Weeks.

*COMBINATION COLORS OR STRIPES

We Can Furnish to Special Order from Factory any Combination of Colors or Stripes at $18 00 per Dozen EXTRA.

BATHING SUITS

*DIAMOND BRAND

NOTE—Specify Sizes when Ordering

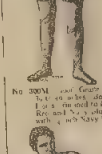
MEN'S ONE PIECE SKIRT BATHING SUITS

Sleeveless—Eastern Style

This Pleasing Suit is made a Imitation of a Two Piece Suit out of One Piece, with Sewed on Skirt which appears as if the Bottom of the Shirt stopped and is cut on, also on one of our One Piece Combination Suits and Buttons on Left Shoulder. It has all the advantages and none of the Disadvantages of the Two Piece Suit

Per Dozen

No. 152M	Good Heavy Cotton Serge, Navy Blue, Sizes 34 to 46 inches, Color Navy Blue and Trimmed with Red and White Stripes on Skirt, Weight per Doz. 12 lbs.	$27.00



No. 300M	Good Heavy Wool Stripe, Buttons on Shoulder, Sizes 34 to 46 inches, Color of Suit Navy Blue with Red and White Stripes on Skirt, Weight per Doz. 12 lbs.	$9.00

ONE PIECE SKIRT BATHING SUITS

With Sewed on Trimmings

Good Grade Cotton Color Navy Blue Sweater Trimmings Half Red and Half White at the Bias, Skirts Trimmed around Bottom and Edge of Sleeves Knee Pants Trimmed at Bottom, Button on Left Shoulder.

BOYS SLEEVELESS

	Per Dozen
No. 76C—Sizes 24 to 32 Inches. Weight per Dozen 8 lbs.	$12.50

Half Dozen in a Box

MEN'S SLEEVELESS

	Per Dozen
No. 100C—Medium Weight Cotton. Sizes 34 to 46 inches. Weight per Dozen 10 lbs.	$18.00
No. 125C—Heavy Weight Cotton. Sizes 36 to 46 inches. Weight per Dozen 12 lbs.	27 00

Twelve Dozen in a Box

No. 84—Sizes 34 to 46 inches. Weight per Dozen 8 lbs. 14 00

Six Dozen in a Box

BOYS ONE PIECE SLEEVELESS

	Per Dozen
No. 60B—Good Grade Navy Cotton, Button on Shoulder, Trimmed Arm Holes and Buttons on Pants, Sizes 24 to 34 inches, Color Navy Blue, Assorted Trimmings, Half Red and Half White at the Bias. Weight per Dozen 6 lbs.	$13.00

Half Dozen in a Box

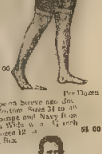
MEN'S TWO PIECE QUARTER SLEEVE SUITS

Made of High Grade Cotton Navy Blue Color Shirt Trimmed around Bottom and Edge of Sleeves Knee Pants Trimmed at Bottom, Assorted Trimmings. Half Red and Half White at the Bias.

Per Dozen

No. 150M	Good Heavy Cotton Serge, Navy Blue Color, Trimmed around Bottom and Edge of Sleeves, Knee Pants, Trimmed at Bottom, Sizes 34 to 46 inches, Color Navy Blue, Assorted Trimmings, Half Red and Half White at the Bias. Weight per Dozen 18 lbs.	$18 00
No. 250M	Good Heavy Cotton Serge, Navy Blue Color, Shirt Trimmed around Bottom and Edge of Sleeves, Knee Pants, Trimmed at Bottom, Assorted Trimmings, Half Red and Half White at the Bias. Weight per Dozen 18 lbs.	$18 00

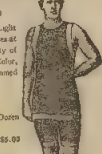
Half Dozen in a Box



		Per Dozen
No. 250M	Good Grade White Stripe, Stripes on Sleeve and Bottom of Shirt, Navy Blue Color, Trimmed at Bottom, Sizes 34 to 46 inches, Color Navy Blue with Red Stripe and Navy Blue with White Stripe on Skirt, Weight per Dozen 12 lbs.	$6 00

TWO PIECE SUITS SLEEVELESS

Made of a Medium Grade Cotton, Light Weight. These Suits, although Good Values at the Prices Given, are not up to the quality of other suits listed on this Page. Navy Blue Color, Shirts Trimmed at Arm Holes, Pants Trimmed at Bottom with White Stripe.



BOYS SLEEVELESS

	Per Dozen
No. 58—Sizes 24 to 34 Inches. Weight per Dozen 6 lbs.	$5.00

MEN'S SLEEVELESS

	Per Dozen
No. 58M—Sizes 36 to 46 inches. Weight per Dozen 8 lbs.	$6.00

One Dozen in a Box.

WATER WINGS

AYVAD

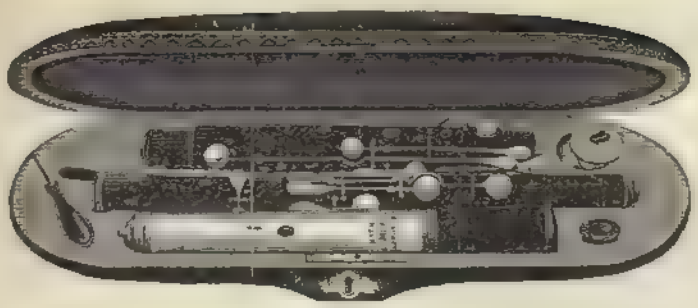
These Wings Will Support a Man of Any Size as Easy as They Do a Child. For the Reason That it Takes Less Air to Support a Large Body Than a Small One. To use, Blow the Wings Thoroughly, Inflate Both Tubes From the Valves. Then Press Together the Two Parts Marked Center in Middle Piece. Weight 1 to 3 oz., Size 12x24 inches

	Per Dozen
No. WW1—Plain White. Good Quality	$ 6 00
No. WW2—Assorted Colors, Extra Quality	8 00

One Dozen in a Package. Weight per Dozen 1½ lbs.

"DIAMOND EDGE IS A QUALITY PLEDGE"

FLUTES



No. 9210.

International or New Standard Pitch is LOW PITCH.
American or Concert Pitch is HIGH PITCH.

CONCERT FLUTES.

KEY OF D. HIGH PITCH.

American Manufacture.

No. 9100 1 key, Cocos, German silver trimmed.....Each $5 35
No. 9102 1 key, Cocos, with tuning slide, German silver trimmed .....Each 7.35

NOTE The above Flutes are of American manufacture and not liable to crack or check.

In Pasteboard Boxes.

No. 9203 8 keys, Grenadilla, with tuning slide, cork joints, German silver caps and trimmings.....Each $11.10
No. 9204 8 keys, Grenadilla, with tuning slide, cork joints, German silver caps and trimmings and embouchure Each 12 40
No. 9207 8 keys, Grenadilla, with tuning slide, cork joints, German silver head joint.....Each 19 20
No. 962 8 keys, Grenadilla, celluloid head, with German silver lip plate, cork joints . . . . . Each 15 75
No. 963 8 keys, Grenadilla, with tuning slide, cork joints, German silver embouchure and finger holes, with swab and grease box, in fine rosewood case.....Each 25.40

FINE IMITATIONS OF MEYER.

In Morocco Velvet Lined Cases, Joint Caps, Grease Box, Swab, Pads and Screw Driver.

No. 9205 8 keys, Grenadilla, with tuning slide, cork joints, ...Each $17 75
No. 9206 8 keys, Grenadilla, with tuning slide, cork joints, *ivory head ..... Each 37.75
No. 9209 10 keys, Grenadilla, with tuning slide, cork joints, ... Each 25 25
No. 9210 10 keys, Grenadilla, with tuning slide, cork joints *ivory head .... Each 46 25
No. 9211 11 keys, Grenadilla, with tuning slide, cork joints *ivory head .. Each 48.50
No. 9212 12 keys, Grenadilla, with tuning slide, cork joints . . . . . Each 30 50
No. 9213 12 keys, Grenadilla, with tuning slide, cork joints *ivory head . . . . . Each 50 50

LOW PITCH.

No. 91000 8 keys, Grenadilla, with tuning slide, cork joints, ...Each $18.00
No. 91002 8 keys, Grenadilla, with tuning slide, cork joints, *ivory head .....Each 38 00
No. 91012 13 keys, Grenadilla, with tuning slide, cork joints, ... Each 30.50
No. 91013 12 keys, Grenadilla, with tuning slide, cork joints, *ivory head .....Each 50 50

KEY OF D. HIGH PITCH.

Cylindrical Bore, Covered Finger Holes.

In Morocco Velvet Lined Cases.

No. 910 Grenadilla, German silver keys..... Each $60.00

LOW PITCH.

No. 911 Grenadilla, German silver keys.....Each $60.00

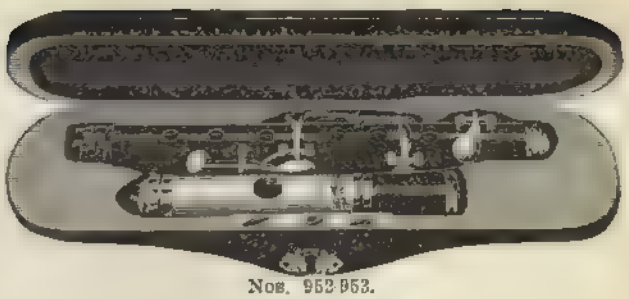
GENUINE H. F. MEYER, HANOVER.

HIGH PITCH.

No. 9218 11 German silver keys, Grenadilla, with tuning slide, cork joints, ivory head, finest Morocco case, etc. .....Each $197.25

*NOTE—Made of Seasoned Ivory, Finished and Perfected in our own factory.

PICCOLOS



Nos. 952 953.

International or New Standard Pitch is LOW PITCH.
American or Concert Pitch is HIGH PITCH.

HIGH PITCH.

In Pasteboard Cases.

No. 928 Key of D, Grenadilla, with tuning slide, 4 keys, German silver trimmed.....Each $ 3.50
No. 929 Key of Eb, Grenadilla, with tuning slide, 4 keys, German silver trimmed.....Each 3.50
No. 930 Key of D, Grenadilla, with tuning slide, 4 keys, German silver trimmed, with cork joints.....Each 3.75
No. 931 Key of Eb, Grenadilla, with tuning slide, 4 keys, German silver trimmed, cork joints.....Each 3.75
No. 932 Key of D, Grenadilla, with tuning slide, 6 keys, German silver trimmed.....Each 4.10
No. 933 Key of Eb, Grenadilla, with tuning slide, 6 keys, German silver trimmed.....Each 4.10
No. 934 Key of D, Grenadilla, with tuning slide, 6 keys, German silver trimmed, cork joints.....Each 4.40
No. 935 Key of Eb, Grenadilla, with tuning slide, 6 keys, German silver trimmed, cork joints.....Each 4.40
No. 916 Key of D, Grenadilla, German silver head and slide joint, 6 keys, German silver trimmed, cork joints...Each 5.75
No. 917 Key of Eb, Grenadilla, German silver head and slide joint, 6 keys, German silver trimmed, cork joints...Each 5.75
No 936 Key of D, Grenadilla, *ivory head, with tuning slide, 6 keys, German silver trimmed, cork joints..Each 11.50
No. 937 Key of Eb, Grenadilla, *ivory head, with tuning slide, 6 keys, German silver trimmed, cork joints..Each 11.50

CYLINDRICAL BORE.

Covered Finger Holes. In Fine Cases.

No. 980 Key of D, Grenadilla, 6 keys, German silver trimmed, cork joints.....Each $20.25
No. 982 Key of Eb, Grenadilla, 6 keys, German silver trimmed, cork joints.....Each 20.25

MEYER PATTERNS.

In Fine Cases.

No 952 Key of D, Grenadilla, *ivory head, 6 keys, with slide, cork joints, German silver trimmed.....Each $14.50
No 953 Key of Eb, Grenadilla, *ivory head 6 keys with slide, cork joints, German silver trimmed.....Each 14 50

SUPERIOR QUALITY.

In Fine Leather Covered Velvet Lined Cases, Joint Caps, Swab, Grease Box and Screw Driver.

LOW PITCH.

No. 93042 Key of D, 6 keys, Grenadilla, *ivory head, German silver spring plates, cork joints.....Each $24 75
No. 93044 Key of Eb, 6 keys, Grenadilla, *ivory head, German silver spring plates, cork joints.....Each 24 75

GENUINE H. F. MEYER, HANOVER.

HIGH PITCH.

In Fine Cases.

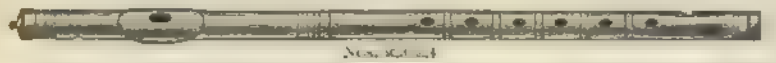
No. 954 Key of D, Grenadilla, *ivory head, 6 keys with slide, cork joints, German silver trimmed.....Each $60.50
No. 955 Key of Eb, Grenadilla, *ivory head, 6 keys with slide, cork joints, German silver trimmed.....Each 60.50

*NOTE—Made of Seasoned Ivory, Finished and Perfected in our own factory.

FIFES

Nos. 91 92

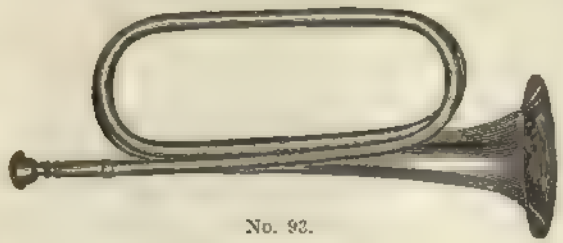
Nos. 921 922



Nos. 923 924

No. 91	Bb, imitation ebony	Each	$ .35
No. 92	C, imitation ebony	Each	.75
No. 97	Bb, rosewood, brass ferrules	Each	.75
No. 98	C, rosewood, brass ferrules	Each	.75
No. 911	Bb, ebony, nickel-plated ferrules	Each	1.40
No. 912	C, ebony, nickel-plated ferrules	Each	1.40
No. 913	Bb, nickel-plated, raised finger-holes	Each	1.70
No. 914	C, nickel-plated, raised finger-holes	Each	1.70
No. 921	Bb, nickel-plated, raised finger-holes, gutta percha embouchure	Each	1.70
No. 922	C, nickel-plated, raised finger-holes, gutta percha embouchure	Each	1.70
No. 923	Bb, nickel-plated embouchure plate	Each	2.40
No. 924	C, nickel-plated embouchure plate	Each	2.40

CAVALRY TRUMPETS. Key of F.



No. 93.

OFFICERS' BUGLES.

No. 92	Officers' Bugles, brass key of C	Each	$4 65
No. 95	Officers' Bugles, brass, nickel plated, key of C	Each	6.10

CAVALRY TRUMPETS.

No. 93	Brass, key of F	Each	$ 6.40
No. 94	Brass nickel-plated, key of F	Each	7 85
No. 935	Brass, key of F, with tuning slide	Each	8.75
No. 936	Brass, nickel-plated, key of F, with tuning slide	Each	10 35

INFANTRY TRUMPETS.

No. 96	Brass, key of C, with Bb crook	Each	$7 15
No. 98	Brass, nickel-plated, key of C, with Bb crook	Each	8 65
No. 912	Brass, key of C	Each	7.85
No. 914	Brass, nickel-plated, key of C	Each	9 30

INFANTRY BUGLES. In C with Bb Crook.

No. 96.

U. S. REGULATION TRUMPETS.

No. 970	Brass key of G with F tuning slide	Each	$10.25
No. 971	Brass, nickel-plated, key of G with F slide	Each	11.70
No. 972	Brass, silver-plated, burnished, key of G, with F tuning slide	Each	19.00

REGULATION Bb ARTILLERY BUGLE.

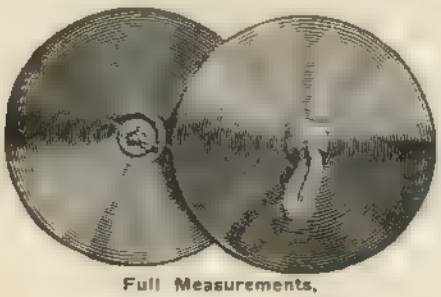
High Grade Easy Blowing, Perfect Tuning.

No. 990	Key Bb, regulation artillery, heavy polished brass, with extra heavy turned edge on bell, fitted with mouthpiece on chain	Each	$ 9 60
No. 992	Same as No. 990, nickel-plated	Each	11.00
No. 994	Same as No. 990, triple silver-plated, burnished	Each	18.50

REGULATION BUGLE CORDS.

No. 91	First quality double worsted, with tassels. In red, yellow, blue or white colors	Each	$2 60

CYMBALS.



Full Measurements.

BRASS, OUR "OWN-MAKE."

		Per Pair
No. 9107	7-inch, with leather handles	$2 25
No. 9108	8-inch, with leather handles	3.15
No. 9109	9-inch, with leather handles	3 50
No. 9110	10-inch, with leath. handles	4 10
No. 9111	11-inch, with leath. handles	4 60
No. 9112	12-inch, with leath. handles	5 25
No. 9113	13-inch, with leath. handles	6 50

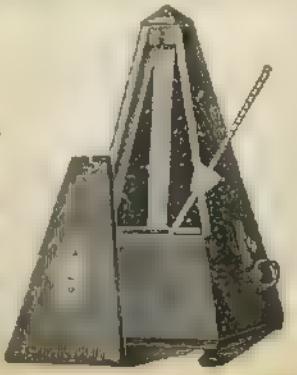
TURKISH, OUR "OWN-MAKE."

		Per Pair
No. 98	8-inch, comp. metal, leather handles	$ 7.00
No. 99	9-inch, comp. metal, leather handles	8.25
No. 910	10-inch, comp. metal leather handles	9.60
No. 911	11-inch, comp. metal, leather handles	11.00
No. 912	12-inch, comp. metal, leather handles	13.60
No. 913	13-inch, comp. metal, leather handles	17.00
No. 914	14-inch comp. metal leather handles	19.50

CASTANETS

No. 91	Boxwood, large size.	Per set.	$1.00
No. 92	Boxwood, small size	Per set.	.90
No. 93	Ebony, large size.	Per set.	1.45
No. 94	Ebony, small size.	Per set.	1.20
No. 910	Ebony, with handle.	Each.	1 75

METRONOMES



No. 91 Metronomes, mahogany finish, fixed key, without bell, Maelzel system American manufacture ..... Each $ 6.25

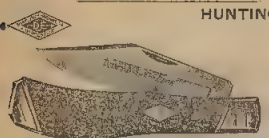
No. 92 Metronomes, mahogany finish, fixed key with bell, Maelzel system American manufacture ..... Each 9 35

No. 93 Mahogany, fixed key, without bell, Maelzel system American manufacture ..... Each 6.25

No. 94 Mahogany, fixed key, with bell, Maelzel system American manufacture ..... Each 9 40

No. 95 Maelzel system, repousse French gray metal case, double spring doors, regulator to increase or diminish volume of sound, fine for presentation. ..... Each 11.40

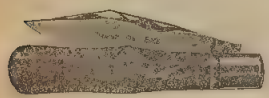
HUNTING KNIVES



*DIAMOND EDGE

Lock Back, Length 4½ inches, Flat Tang Pattern, Scored German Silver Bladed Bolsters, Diamond Shield Brass Lining, One Large Clip, Beveled or Saber Blade, Half Polished and Etched, Weight Per Dozen 2 ¼ Lbs.

	Per Dozen
No. 1S703¾ST—Patent Stag Handle	$22 00
No. 1S703¾E—Genuine Ebony Handle	$21 00



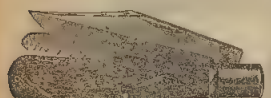
Plain Back, Length 6¼ inches, Polished Steel Rat Tail Bolsters; One Large Clip Blade, Glazed and Etched; Iron Lining, German Silver Shield, Weight per Dozen 4¾ lbs.

*DIAMOND EDGE

	Per Dozen
No. 1S773¾E—Ebony Handle	$33 00

*EMPIRE

	Per Dozen
No. 1S783¾E—Ebony Handle	$15 00

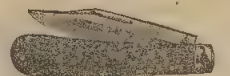


Plain Back, Brass Wire Ball, Length 5¼ inches, Polished Steel Rat Tail Bolsters, One Large Clip and One Large Saw Blade, Glazed and Etched; Iron Lining, German Silver Shield; Weight per Dozen 5¼ lbs.

*DIAMOND EDGE

	Per Dozen
No. 2S763¾E—Ebony Handle	$28 00
No. 2S763¾ST—Patent Stag Handle	30 00
No. 2S763¾CS ST—Patent Stag Handle; One Large Spear and One Large Clip Blade	36 00

Half Dozen in a Box



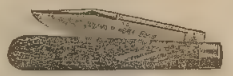
Lock Back, Length 4¼ inches; Polished Steel Rat Tail Bolsters; One Large Clip Blade; Quarter Polished and Etched, Iron Lining; No Shield; Weight per Dozen 2¼ lbs.

*DIAMOND EDGE

	Per Dozen
No. 1S773¾ST—Patent Stag Handle	$14 00

*EMPIRE

	Per Dozen
No. 1S773¾ST Patent Stag Handle	$14 00



Lock Back, Length 4¼ inches; German Silver Flush Bolsters, One Large Clip Blade; Half Polished and Etched; Brass Lining German Silver Shield; Weight per Dozen 1¾ lbs.

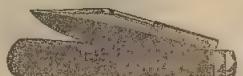
*DIAMOND EDGE

	Per Dozen
No. 1S173¾ST—Patent Stag Handle	$16 00

*EMPIRE

	Per Dozen
No. 1S173¾ST—Patent Stag Handle	$12 00

*BRIDGE CUTLERY CO.



Lock Back, Length 4¾ inches, Polished Steel Rat Tail Bolsters; One Large Clip Blade; Half Polished and Etched; Iron Lining; No Shield; Weight per Dozen 2½ lbs.

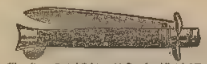
	Per Dozen
No. 1S774¾ST—Patent Stag Handle	$15 00

*G. W. PUTNAM & CO.

Lock Back, Length 4¾ inches, Polished Steel Flush Bolsters; One Large Clip Blade, Glazed, Iron Lining; German Silver Shield; Weight per Dozen 2½ lbs.

	Per Dozen
No. P1183ST—Patent Stag Handle	$10 00

HUNTING KNIVES



Lock Back, Length 3¾ inches; German Silver Fancy Scored Bolster with Guard and Beveled Flush Cap; One Large Spear Blade, Full Polished, Brass Lining; No Shield; Weight per Dozen 10 ozs.

	Per Dozen
No. C1001ST—Genuine Stag Handle	$21 00
No. C1001P—Pearl Handle	30 00

NOTE The Large Blades on These Knives are Locked When Open, to Release, Press Down on Small Blade and Close in the Usual Manner.

Lock Back, Length 3¾ inches; Polished and Fancy Scored Bolster and Cap; One Large Clip and One Small Spear Blade, Glazed Iron Lining; German Silver Shield; Weight per Dozen 2 lbs.

	Per Dozen
No. P2100ST—Patent Stag Handle	$6 00

1900—GEORGE WOSTENHOLM & SON

Lock Back; Length 4¾ inches, Polished Steel Rat Tail Bolster; One Large Clip Blade; Half Polished; Iron Linings; No Shield; Weight per Dozen 2¾ lbs.

	Per Dozen
No. B1708S—Patent Stag Handle	$15 00

Press Button, Length 3¾ inches, German Silver Flush Bolster, One Large Clip Blade; Half Polished and Etched, Iron Lining; No Shield, Weight per Dozen 2¾ lbs.

	Per Dozen
No. K600—Patent Stag Handle	$13 00

Press Button, Length 3¾ inches, German Silver Flush Bolster, One Large Clip Blade; Half Polished and Etched, Iron Lining; No Shield, Weight per Dozen 2¾ lbs.

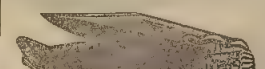
	Per Dozen
No. K510—Patent Stag Handle	$13 00

Press Button, Length 3¾ inches, German Silver Flush Bolster, One Large Clip Blade with German Silver Liners, Half Polished and Etched, Iron Lining; No Shield, Weight per Dozen 2¾ lbs.

	Per Dozen
No. K1005—Patent Stag Handle	$17 00

Press Button, Length 3¾ inches, German Silver Flush Bolster, One Large Clip Blade with Pointed and Etched, Iron Lining; No Shield, Weight per Dozen 2¾ lbs.

	Per Dozen
No. K1000—Patent Stag Handle	$16 00



Lock Back, Length 3¾ inches, German Silver Fancy Bolster, One Large Clip Blade with Pen Guard, Pull Polished, Brass Lined, Steel Spike Rest; Weight per Dozen 9 lbs.

	Per Dozen
No. P1102DF—Genuine Deer Foot Handle	$30 00

Lock Back; Length 5⅛ inches, German Silver Bolster and Guard Heel, German Silver Shad Cut Large Bolster, Clip Blade, One Cork Screw, For Finishes see Price List; Weight per Dozen 4 lbs.

	Per Dozen
No. P873DF—Genuine Deer Foot Handle	$25 00

Half Dozen in a Box

"DIAMOND EDGE IS A QUALITY PLEDGE"

DECOYS

WOOD DUCK DECOYS

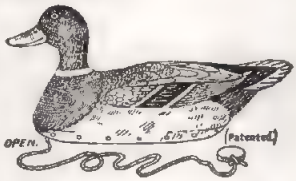
Our "Challenge" decoys are all made of selected wood, painted in most natural colors, and are excellent imitations of the "real thing." Made in the following varieties: Mallard, Black Mallard, Red Head, Blue Bill, Blue Wing Teal, Shell Drake, Canvas Back. Sold only in dozen lots, 8 males and 4 females. To avoid delay in shipping kindly give us first and second choice in the matter of specie wanted.

No. **1.** "Challenge" Model. Good quality with glass eyes.....Doz. **$7.50**
No. **2.** "Detroit," Model, fair quality with tack eyes.....Doz. **5.00**

FITTINGS FOR DUCK DECOYS

	Doz.		Doz.
No. **11.** Weedless Cone-Shaped Anchors	**$1.20**	No. **14.** Rawhide Loops for Anchor Cord	**$.30**
No. **12.** Oval Body Weights.....	**.90**	No. **15.** Screw Eyes for Anchar Cords..	**.10**
No. **13.** Oval Body Weights, extra heavy	**1.30**	No. **16.** Anchor Cords.....	**.30**

FOLDING CANVAS DUCK DECOYS



The chief advantage of these folding decoys is their light weight and the fact that when folded they occupy very little space and can be easily carried. They are made of waterproof canvas and in appearance are most life-like. They are not pneumatic and therefore if struck by stray shot no damage is done. The frame which holds the decoys in shape is wire and is automatic in operation. Always float right side up no matter how carelessly thrown into the water. As there are no delicate parts to get out of order, they will give long service. Mallard and Black Duck carried in stock.

No. **RD.** Duck decoys complete with cords and anchors, packed 1 doz. in a box, 6 males, 6 females, per doz.....**$7.75**

FOLDING TIN POLVER DECOYS

These decoys are made of two oval shaped parts or sections which when closed together make the exact form of the bird. Are nicely painted, life-like and natural. They pack or nest one into another so that a box containing one dozen measures only 10 in. x 9 in. x 2½ inches. Sticks or mounts are provided with each lot. Not sold in less than dozen lots.

No. **5.** Plover.....Doz..**$4.00**
No. **6.** Yellow Leg..... " ... **4.00**

CROW DECOYS

These crow decoys are made of paper, are hollow, full-shaped, and waterproofed. They are correct in every detail, natural in appearance, glass eyes and steel wire for a leg. Packed one dozen in crate, weighing about 24 lbs., gross.

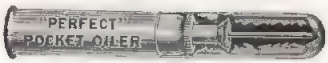
No. **23.** Crow Decoys.....Each **$ .40** Doz **$4.00**

OILERS AND OILS

"NEVER LEAK" OIL CAN

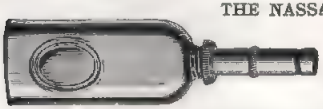
In oiling the action of your gun, only a drop is necessary. The "Never leak" oiler puts the quantity needed just where you want it. It can't leak.
No. **53.** Nickel-plated.....$ .15

PERFECT POCKET OILER



If you want an oiler that you can carry without fear of leaking try the "Perfect." Besides the leak-proof cap there is an automatic stop that prevents flow of oil. This stop also regulates the flow to a drop. Nickel-plated.
No. **52.** .....Each $ .20

THE NASSAU OILER



This oiler is fitted with a cap to prevent leaking. Flows a drop at a time or faster by simply pressing on side. Nickel plated finish.
No. **50.** .....Each $ .10

Delivery Prepaid in U. S. if Cash is Sent with Order at Above Prices

MANY-USE OIL

"Many-use" oil not only lubricates but prevents rust, cleans and polishes. The oval cans are fitted with a ball-bearing adjustable spout which may be turned down out of the way.
No. **2C.** 2-oz. round can...Each $ .10
No. **4C.** 4-oz. round can...Each .15
No. **5C.** 3½-oz. oval can..Each .20

THREE-IN-ONE

"Three-in-One" does three things: cleans, lubricates, prevents rust, and does each perfectly. It is favorably known wherever oil is used.
No. **32.** Small bot. (1 oz.).....$ .10
No. **31.** Medium (3 oz.)..... .20
No. **30.** Factory size (8 oz.)..... .45
No. **29.** Oval can (3½ oz.)..... .25

NITRO-SOLVENT

MARBLE'S NITRO-SOLVENT OIL

A wonderful oil that will clean and protect firearms from the corrosive action of black and smokeless powders, including cordite. It is a mixture of different chemicals with three of the finest oils. If a gun is laid away, Marble's Anti-Rust Ropes saturated with Nitro-Solvent Oil insures protection.
No. **244.** 2-oz. bot.....$ .25 No. **544.** 5-oz. can.....$ .50

We do not send Oils by Mail

ELECTRIC FLASHLIGHTS

Trade Mark

Electrical Novelties are the best selling specialty on the market. In these FRANCO Flashlights we offer you the opportunity of securing a Standard line at exceptionally low prices. Fitted with Radio Batteries which are Guaranteed

Trade Mark

PRICES EACH

Cap and lapel light, for military bands, postmen, miners etc. Bag to carry battery. Can be carried in the pocket or attached to belt

No 4584 Complete .. $
Renewal radio battery No
Renewal bulb No 521 42

Alligator cloth covered or black enamel finish, size 1 x 2½ x 3⅞ inches.

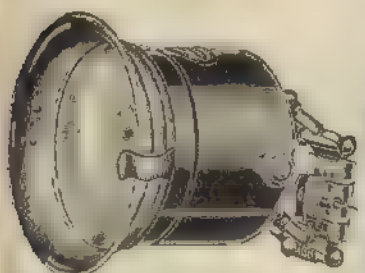
No. 4730 Complete $2.10
Renewal radio battery No. 1020
Each .. .. .75
Renewal bulb No. 521, each.. 42

Vulcanized fibre case with highly finished nickel parts, size 1 x 2½ x 3⅞ inches.

No. 4709 Complete .. $2.90
Renewal radio battery No. 1021
Each .. .. .75
Renewal bulb No. 521, each 42

Alligator cloth covered or black enamel finish, size 1 x 2½ x 4¼ inches

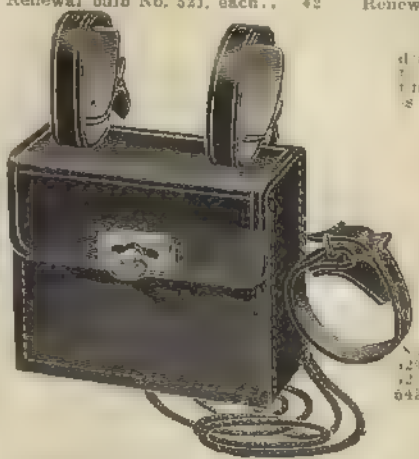
No. 4 Complete .. $
Renewal radio battery No
Each
Renewal bulb No. 521, each 42



BICYCLE OR MOTORCYCLE LAMP

This small but very powerful light is nickel plated reflector and leather bag for battery.

No. 4817 Complete $8.00
Renewal radio battery No 85
Renewal bulb No 42



All bulbs listed both in cases and separately are the latest wire drawn type designed to give the highest efficiency at the least cost to the battery. We call attention to the value of the brass cap as support is welded to it. The wire drawn is the latest development and means long life.

No. 2
No. 3
Volts
2.5 Volts
3.5 Volts
3.8 V. or 4.8 V.

No. 5
No. 5½
Volts
3.5 Volts
3.8 V. or 4.8 V.

No. 6
No. 6
Volts
6 V.
6 V.

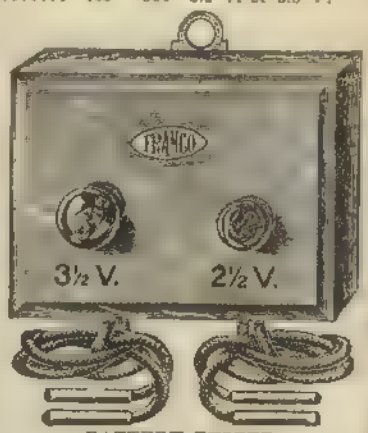
Combination portable light and watch holder, consisting of black finished metal reflector with nickel plated polished trimmings, size 4x5x9 inches

No 4872 Complete $0.20
Renewal radio battery No 1021 85
Renewal bulb No 48 95

ELECTRIC HOUSE LAMP

Size 2x3¾x6 inches, neatly finished brass, with nickel plated polished reflector, suitable for general use around the house

No 4560 Complete .. $4.75
Renewal radio battery No
Renewal bulb No 42



BATTERY TESTER

Designed especially for dealers to test out batteries and lamps when making sales so as to avoid cancelling the battery in a lamp that operates with dry batteries. Also useful in determining if battery is exhausted should lamp fail to light.

Made of hardwood varnished size 3 x 2½ x ⅞ inches 12 inch green cord wires with brass terminals, brass ring to hang up

No 9 each .. .. $0.

AMPERE METER

For testing large and small batteries.

No. 71

No. 1 Ampere meter $3.10
No. 72 Volt meter, ... 3.10
No. 73 Combination volt and ammeter.. 3.40

Combination night light and alarm, clock mounted on ebony finished case, size 4x5x 6¼ inches

No. 4878 Complete..$6.60
Renewal radio battery No 103 ..$0.85
Renewal tungsten bulb No 545 .80 42

RADIO BATTERIES ALWAYS TRIED

Our Radio Batteries are surpassed by none. One trial will convince more quickly than printed assertions. Every battery packed in sealed carton with printed guarantee.

With every $10.00 Net Purchase We will allow an extra 5 per cent discount

New Franco Electric Flashlights

With this issue we offer for the first time an improved line of FRANCO FLASHLIGHTS. The new FRANCO WIRELESS cases embody several newly patented improvements such as the invisible connections resulting in the name "Wireless," the feature being that all the electrical connections formerly exposed on the inside of the case are now imbedded in a solid wall of fibre which prevents accidents to connections and gives extreme durability to the cases. These cases are so constructed that it is impossible to get a short circuit or make accidental contact should they be put in a tool box or pocket with wrenches, keys, etc. Light can be secured only by pushing up the FRANCO contact. With old style cases the battery is often exhausted when they touch metal, which positively cannot occur with "Wireless" cases. Always a light when wanted, as battery is never exhausted except from service or age. A trial order will quickly convince you of the superiority of the FRANCO line.

WITH EVERY $10.00 NET PURCHASE WE WILL ALLOW AN EXTRA 5 PER CENT DISCOUNT.

Tubular Tungsten Flashlights

Size 1¼x 5

No. 6781 Vulcanized fibre case, complete..$2 10
Renewal Radio battery No. [illegible] .. .. ..

PORTABLE CRANE AND HOIST

FRANKLIN

It will be noted that in the operation of this Portable Crane and Hoist the relation of the various parts are such as to insure the proper distribution of the weight and to maintain a perfect equilibrium under all variations of load up to the full capacity of machine.

The yoke rests on the axle. The axle is thrown back by raising the handle against the arms and the weight of the machine rests on the front wheels.

When the handle is pulled down the crank axle lifts the weight from the wheels and the entire load is carried by the yoke.

Cast Iron Body of Crane Base, Wheels and Projecting Arms, Cast Steel Front Axle Having a Tensile Strength of 42,000 Pounds Per Square Inch, Roller Bushed.

A wide heavy band of wrought iron reinforces the projecting arms and is bolted through the hook plate and extends through the base. Absolute tests are made of each machine before shipment and capacities are facts not theories.

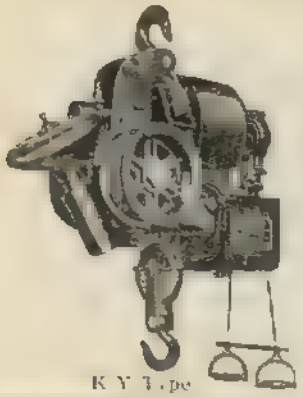
Nos.	8A	8B	8C	8E
Height of Crane	7 ft. 6 in.	8 ft. 4 in.	8 ft. 5 in.	11 ft. 4 in.
Height of Hoist	6 ft. 3 in.	7 ft. 3 in.	8 ft. 4 in.	10 ft
Width of Bed, Outside	2 ft. 10 in.	3 ft. 2½ in.	4 ft. 2 in.	4 ft. 7 in.
Width of Bed, Inside	2 ft. 3 in.	2 ft. 7 in.	3 ft. 6½ in	4 ft
Height of Bed, Front	10½ in.	10½ in.	12 in.	12 in
Height of Bed, Back	6⅝ in.	6½ in.	7 in	7 in.
Length of Bed	3 ft. 5 in.	3 ft. 11 in.	4 ft. 1 in.	4 ft. 11 in
Overhang	2 ft. 7½ in.	2 ft. 8½ in.	2 ft. 11 in.	3 ft. 11 in.
Capacity, Tons	2	2½	3	3
Weight Each, Lbs.	785	1000	1240	1500
Each	$112.50	125.00	150 00	175 00

Designed for use in shops, factories and all places where it is ever necessary to lift heavy bodies or to transfer them from place to place, and this with the least expenditure of time and labor and with safety

It is easily handled by two men. It is easily moved and every point in the shop is accessible. Its great lifting capacity, in conjunction with its portability, makes it, in many cases a great deal better than either an overhead crane or an industrial railway.

The many uses for the Portable Crane and Hoist must be obvious. One man alone, with its help, can lift a large casting or any piece weighing up to 2 tons and convey it to any part of the works and place it in or on a machine, or deposit it as may be required.

This hoist is ever ready, it goes anywhere, everywhere. It aids in reducing the expenditure of labor, and time to the desired minimum.



K Y Type

YALE ELECTRIC HOISTS

Electric Hoists give from five to ten times the speed of hand hoists and their cost is only a fractional part of electric traveling cranes. For constant lifting they are economical, even when substituted for the cheapest labor.

In choosing an electric hoist it is never safe to sacrifice quality to price. The best is cheapest in the end.

Simplicity should be one of the first considerations in the choice of an Electric Hoist.

Yale Electric Hoists have few and strong moving parts.

The automatic emergency stop safeguards the careless operator.

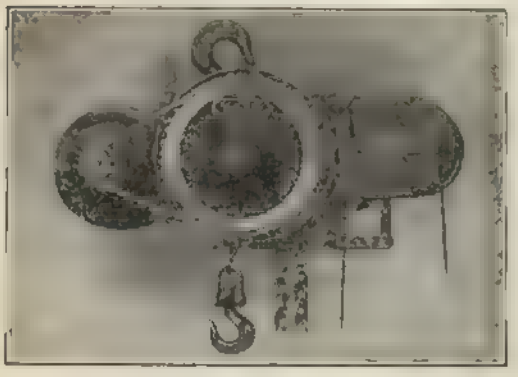
Direct and Alternating Current Hoists are supplied. For varying speeds the direct hoist is the best. Enquiries and orders should specify kind of hoisting work, voltage of current, and if for alternating current, give phases and cycles.

Before shipment each Hoist is carefully tested and required to lift a 50% overload.

Capacity in Tons	Size Motors, H. P.	Parts Hoisting Rope	Lift in Feet		Standard Weight		Standard Lift Each
			Standard	Maximum	Direct Lbs.	Alternating Lbs.	
1	3	2	15	45	640	560	$ . . . . .
2	3	2	15	45	640	560	. . . . .
4	3	4	15	22	800	720	. . . . .
5	7	2	15	45	1740	1680	. . . . .
6	3	6	10	15	900	820	. . . . .

Drums for extra lift up to maximum given above can be supplied at an extra list price of $15.00.
The graduated speed foundry controller can be supplied for direct current only at an extra list price of $75.00.
Prices on Application.

YALE ELECTRIC TRIPLEX HOISTS



This Hoist takes the place of chain block at moderate additional cost, and gives from five to ten times the speed.

Where any quantity of material from 50 to 4000 pounds has to be repeatedly lifted and lowered, as in serving machine tools, this is the hoist to use.

End View of Electric Triplex Hoist.

The balanced train of spur gears insure high operating efficiency and consequent minimum current consumption and with this type of gearing satisfactory speeds are obtained. A Weston brake with silent pawl is used to sustain the load.

Capacity Tons	Dimensions			Standard Lift, Feet	Weight Each, Lbs	Hoist with Standard Lift, Direct Current Each	Hoist with Standard Lift, Alternating Current Each	Extra List Per Foot
	Min. Dis. Between Hooks, Inches	Width Over All Inches	Length Over All, Inches					
½	20	16⅛	34	10	230	$ . . .	$ . . .	$ . .
1	25	18	38½	10	360	. . . .	. . . .	. . . .
2	32	18	38½	10	410	. . . .	. . . .	. . . .

The 1 and 2 ton hoist for direct current service can be furnished with a variable speed controller at an additional list price of $24.00.

Prices on Application.

ELECTRIC AND GAS LAMPS.

ELECTROBOLA LAMPS.

The body, reflector and supporting lugs of this lamp are combined in one solid aluminum casting, which is lightest and whitest metal possible for this purpose. This construction gives great strength, maximum reflecting surface and at the same time makes them practically indestructible. Collisions and bumps which would demolish the ordinary lamp, have no effect on "Electrobolas." The reflecting surface is accurately ground, highly polished and will absolutely not tarnish. The brilliancy of the "Electrobola" is unexcelled and is so great that it will cast a clear, bright light a distance of 700 feet. A pair of Tail Lamps, "Electrobola" Head Lights with 16 candle power Mazda bulbs (which are furnished with these lamps) will light up the roadway for a distance of 700 feet. When used with a general outfit the cost of maintenance is virtually nothing. When used in connection with a battery, the operating expense is less than one-half that of a gas outfit. The construction and method of fastening the lens make them dust and moisture proof, non-vibrating and noiseless, at the same time projecting a steady, non-flaring, penetrating white light. "Electrobola" lights also do away with fire risks and disagreeable, gaseous odors. "Electrobolas" are regularly equipped with hard rubber plug connectors and the celebrated Edi-Swan bayonet sockets which hold the bulbs firmly in place, eliminating the possibility of their coming loose and breaking.

Nos. 5671, 5670, 5663 and 5645 Lamps are finished regularly in Black Enamel with Nickel Trimming. They can be supplied without additional cost in black enamel finish with brass trimming or in the polished aluminum finish.

No. 5671—Headlight, diam. of reflector and lens 8 in., 6 volt, 12 candle power, per pair★ .....**AEJ** $26.68

No. 5670 Headlight, diam. of reflector and lens 6 in., 6 volt, 12 candle power, per pair★ .....**BJJ** $17.74

No. 5663—Sidelight, diam. of reflector and lens 6 in., 6 volt, 6 candle power, per pair★ .....**AABJ** $18.68

No. 5645—Tail light, diam. of reflector and lens 3½ in., 6 volt, 4 candle power★ .....each **CBE** $5.39

FRENCH STYLE TAIL LAMPS.

No. 5706—Heavy gauge steel body, 4 in. diam. fresnal white lens to illuminate license pad, red fresnal lens to rear combination bracket, w't each 2 lbs., each .....**DDJ** $4.00

These lamps are used as regular equipment on several of the best cars, being patterned after the French style. Body made of steel, body is solidly built throughout. Will not jar or rattle loose and are specially adopted for use on trucks.

FRENCH STYLE STEEL BODY SIDE LAMPS.

No. 5705—Heavy gauge steel, 4 in. diam. round body, fresnal lens, combination bracket, black enamel, nickel trimmed, w't per pr. 3 lbs., per pair .....**DHJ** $8.00

★*FOR FACTORY SHIPMENT ONLY.*

ELECTRIC INSERT COWL DASH LAMPS.

No. 5695—5 in. diam., white semaphone with frosted rosette, sunken glass, lamp sets in dash being held by 3 screws, opens from rear, Edi-swan socket, w't per pr. 2 lbs., per pair .....**CFJ** $6.00

This price does not include bulb.

These lamps have a nickel rim setting flush with the dash and are fastened from the inside of the dash, where there is a highly silvered hinged reflector. Adapted to cowl form of dash making a very stylish appearance.

ELECTRIC TAIL LAMP.

No. 5698—Electric tail lamp, fitted with Edi-swan switch socket, convex red semaphone lens, white glass at side, combination bracket, black enamel, w't each 1½ lbs. .....each **AHJ** $3.00

This price does not include bulb.

GAS HEADLIGHTS.

No. 5689—Genuine ground glass mirror—short coupled—one piece body, heavy gauge sheet steel, furnished in black enamel with nickel rim only, 8 in. across front, 6½ in. between props, 5⅜ in. deep, w't per pr. 12 lbs., per pair complete .....**JHAJ** $13.50

No. 5690—10 in. across front, 8¼ in. between props, 6½ in. deep, otherwise same as No. 5689, per pair complete .....**JIJJ** $16.50

ONE IN A BOX.

CABLES, CONNECTORS, TERMINALS, ETC.

ELECTRIC TERMINALS.

No. 5501. No. 5502. No. 5503.

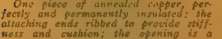
No. 5504.

No. 5501—Copper ....per 100 **CJ** $0.50
No. 5502—Copper ....per 100 **BO** .80
No. 5503—Copper ....per 100 **JGJ** 1.20
No. 5504—Copper ....per 100 **ABJ** 2.00

BATTERY CONNECTORS.

No. 5506—L'gth 5 in., per 100 **ABJ** $2.00
This terminal is made of extra heavy insulated cord; corrugation makes the spring that keeps the nut tight so it cannot jar loose.

No. 5508—Perfection, spring, snap into place instantly, forming a positive connection that will not become loose or jar off—
Per hundred .....**CJ** $5.00
Per thousand .....**BDJ** $40.00
Installed and removed by hand without difficulty.
ONE HUNDRED IN A BOX.



No. 10700—Quick action,
per hundred .....**JGB** $1.20
One piece of annealed copper, perfectly and permanently insulated; the attaching ends ribbed to provide stiffness and cushion; the opening is a slot, making attachment to battery post easy and quick, the point is turned up to prevent complete disconnection if nut backs off.

No. 10710—Ball dog, 4¼ in., safe, strong and reliable .....per 100 **JDHJ** $10.00
TEN IN A BOX.

REVERE AUTOMOBILE IGNITION AND LIGHTING CABLES.

Ignition.

Primary or Low Tension.

No. 5601 REVERE—Composed of 26 No. 30 plain copper wires insulated with rubber, finished with one glazed red braid, diam. ⅛ in., per foot **JD** $0.06

No. 5602 REVERE—Composed of 40 No. 30 copper wires insulated with high grade rubber, one varnished cloth tape and one oak colored varnished glazed braid, diam. ⅛ in., per foot .....**JE** $0.08

Rubber Covered Primary.

No. 5603 REVERE—Composed of 40 No. 30 copper conductors insulated, to a diam. of 5-32 in., red and black rubber, plain finish, diam. ⅛ in., per foot .....**JF** $0.10

Rubber Covered Secondary or High Tension.

No. 5604 REVERE—Composed of 40 No. 30 copper wires, one cotton wrap, four layers gray rubber, 9-32 in. over all, plain finish, diam. ⅛ in.,
per foot .....**AJ** $0.18

Rubber Covered Magneto Special.

No. 5605 REVERE—Composed of 37 No. 27 B. & S. G. tinned copper wires, insulated to a diam. of 7-32 in. with black, red and black rubber, diam. 11-32 in. .....per foot **AJ** $0.18

Medium Secondary or High Tension.

No. 5606 REVERE—Composed of 19 No. 27 copper wires insulated with 5-64 in. high grade rubber, having 1-32 in. white core, two yellow varnished cloth tapes over the core, one soft braid saturated with clear wax and finished with oak colored glazed varnished braid, diam 11-32 in.
per foot .....**AB** $0.20

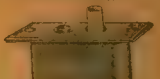
Secondary or High Tension.

No. 5607 REVERE—Composed of 19 No. 27 copper wires, three layers high grade rubber, three yellow varnished cloth tapes, one soft braid saturated with clear wax, one oak colored glazed varnish braid, diam. 9/32 in.,
per foot .....**AD** $0.24
Automobile cables are called upon to stand more severe service than almost any type of electrical conductors. By the use of REVERE cable, unexcelled quality, safety and durability are assured.

No. 5608 REVERE—Single Special Lighting cable, composed of 40 No. 30 B. & S. G. tinned copper wires, 35 mils high grade rubber, one varnished cloth tape, one oak colored glazed varnished braid, diam. ⅛ in., per foot .....**JD** $0.06

No. 5609 REVERE—Double conductor lighting cable composed of two strands No. 5601 cable, one with plain red braid, the other with brown braid, both being covered with the regular REVERE oak colored glazed waxed braid .....per foot **JH** $0.12
This type of wire has been designed to withstand the most severe auto-lighting conditions, and especially for use with lighting Generators, etc. now in such common use. REVERE lighting wire is made up in single and duplex form.

"HANDY" FLUSH PUSH SWITCHES.



No. 5136—Red fibre, 1x2¼ in. lemon brass finish .....each **JFJ** $1.00

"HANDY" FLUSH RECEPTACLES AND PLUGS.

No. 5554. No. 5555.

Nos.	5554	5555	5556	5557
Center, in...	½	½	¾	¾
Flange, in...	1	1	1¼	1¼
Each	$0.42	.56	.60	.70
	BE	CB	DJ	DJ

Insulating parts genuine hard rubber, balance lemon brass finish.

"HANDY" SEPARABLE CONNECTORS.

No. 5558. No. 5559.

Nos.	5558	5559	5560	5561
Diam., in ...	⅝	⅝	⅝	⅝
Length, in.	1⅝	1⅝	1¾	1¾
Each ...	30 90	40	45	.56
	AH	BE	BF	CD

Insulating parts genuine hard rubber, balance lemon brass finish.

"HANDY" CONNECTORS.

No. 5562—Ediswan, bayonet catch, cannot jar loose, diam. 9/16 in.,
each .....**DJ** $0.70
No. 5563—Ediswan, open terminals—for soldering—instead of screw, otherwise same as No. 5562 ....each **CE** $0.60

BATTERIES, AMMETERS. SWITCHES, TESTERS, ETC.

DRY BATTERIES.

No. 700-G RAYBESTOS 2½ volts, 2½x6 in., 15 to 18 amperes, for use with telephones, gas engines, automobiles and wherever intermittent service is needed, w't 2 lbs.....each **BJ** $0.31

No. 406-G—160-JG. No. 1406-G.

No. 406-G—160-JG—Ever Ready, round carton, style "J," 4½6 in., 1 6-10 volts, 22 to 25 amperes, for use on automobiles, gas and gasoline engines, motorcycles, telephone work, etc., w't 1¼ lbs.....each **BE** $0.38

No 407-G 170 KG, Ever Ready, round carton, style "K," 5¼ in., 1 6-10 volts, 22 to 25 amperes, for use on automobiles, gas and gasoline engines, motor cycles, etc., w't 2 lbs.....each **DH** $0.80

No 1406-G—Ever Ready, square carton, 2½x2½ in., 1 6-10 volts, 22 to 25 amperes, for use on automobiles, gas and gasoline engines, motorcycles, telephone work, etc., w't 2½ lbs., each.....**BE** $0.38

A-N 700-G, 1700-G AND 1800-G, ONE HUNDRED AND TWENTY-FIVE; NO. 407-G, SEVENTY-FIVE IN A BARREL.

CHARGOMETERS.

No. 6265—Tycos, all parts interchangeable, hydrometer sealed from 1.150 to 1.300 specific gravity, in .001 degree graduations and standardized at 60 deg. F., which is ordinary air temperature, a fully charged cell should show about 1.280 specific gravity and a completely discharged cell about 1.150 specific gravity, rubber and glass, length over all 15 in., w't each 1 lb.....each **CBJ** $5.30

The surest and simplest method of determining the condition of a storage battery is to obtain the specific gravity of the liquid or electrolyte. The chargometer is so constructed that a test of the gravity of the electrolyte may be quickly and accurately made. To assemble the chargometer fasten tube to the bulb and rubber shipper by means of the screw and cap. Be careful not to allow the bulb to collapse. To use the chargometer, insert in the

SWITCHES.

No. 5131—Acme, rubber base, phosphor bronze removable lever, adapted for lighting purposes.....each **CJ** $0.50

GASOLINE HYDROMETERS.

No. 6263. No. 6264.

No. 6263—Taylor's improved, w't each 3 oz.....each **ABJ** $2.00

For automobile lists, combined with thermometer and correction scale, for variations in temperature, complete with test jar. Wrapped in a soft red flannel pouch and packed in a nickel brass case 1x6 in., so that when not in use it may be safely carried in kit of tools carried by autoists or motor cyclists.

No. 6264—W't 2 oz.....each **CJ** $0.50

This instrument covers a range of Baume Scale from 60 to 82 or 85 degrees. It is contained in a flannel bag, inclosed in a glass testing jar, and encased in a round wooden carrying case 4½ in. long by 1 in. in diameter.

AMMETERS.

For Reading Current in Amperes.

No. 1002-G—1-G—Ammeter, 0-35 amperes, 2 in. nickel plated metal dial, each.....**JLJ** $1.50

For Reading Current in Both Amperes and Volts

No. 1003 G 8-G Voltammeter, 0-35 amperes 1-10 volt, 2 in. nickel plated metal dial, each **ABJ** $2.00

IGNITION BATTERIES.

No. 5180—Vesta, 6 volt Standard, 60 ampere hour, size 9½x5¼x7 in., each.....**ADFJ** $23.30

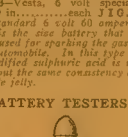
No. 5181 6 volt 80 ampere hour lighting and ignition, size 9½x9 in., each.....**AGJJ** $28.34

No. 5182—Vesta, 6 volt, 160 ampere hour special lighting battery, size 9½x9½x9 in.....each **BDCJ** $40.50

No. 5183—Vesta, 6 volt special, size 8x5½x9 in.....each **JIGJ** $16.20

The standard 6 volt 60 ampere hour battery is the one battery that is universally used for sparking the gas engine in the automobile. In this type of battery solidified sulphuric acid is used, it being about the same consistency as ordinary table jelly.

BATTERY TESTERS.



No. 6266—Metal, with glass tube, rubber bulb, w't each 4 oz., each **ABJ** $2.00

The gauge in the storometer indicates the specific gravity of the fluid when it is withdrawn by pressure on the bulb after pointed tube is inserted in the opening of the storage cell. The proper density of the fluid when battery is fully charged should be from 1215 to 1250. Assuming that a reading is to be taken at full charge and it is 1225, then starting to discharge at 1225: 80 per cent of charge is left when gauge indicates 1200. 60 per cent of charge is left when gauge indicates 1175. 40 per cent of charge is left when gauge indicates 1150. 20 per cent of charge is left when gauge indicates 1125. Practically exhausted when gauge indicates 1100. These figures are not absolutely accurate, but will serve approximately in every case.

SAFETY RAZORS

GEM DAMASKEENE

Each

Gem Damaskeene—Steel Gem Damaskeene Razor Frame with Finely Knurled Handle, with Extra Stropping Handle, Highly Polished and Nickel Plated, Complete with 7 Damaskeene Steel Blades, All in Moire, Velvet and Satin Lined Case, 3¾x1½x2 in., with Catch Button Lock..**$1.00**

This Razor is for the particular man as well as the man with the tough and wiry beard. It is unequaled for simplicity of construction.

Per Package

Gem Damaskeene Blades—For Gem Safety Razors, 7 Blades in a Package.....**$0 50**

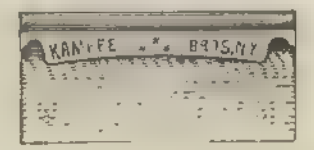
Made of best quality Damaskeened steel, tempered singly by special process. The most practical cutting edge made. The strong reinforced convex edge always assures a perfect shave.

STAR CRU-STEEL

Each

No. 276—One-Piece Nickel Plated Brass Frame, Rigid Scientific Adjustment, no Complicated Locks, Solid Heavy Brass Nickel Plated Handle with Extra Stropping Attachment, 13 Cru-Steel Blades of Highest Quality Extra Heavy Rolled Crucible Steel with Reinforced Spring Grip Back, Damascus Finish, All in Waterproofed Leather Covered Steel Case, Purple Velvet Lined with Positive Lock.....**$1 00**

STAR CRU-STEEL BLADES



Per Dozen Packages

Star Cru-Steel—For Star Cru-Steel Safety Razors, Damascus Finish, 6 Blades in a Package.....**$3 00**

These blades are made from specially treated, extra heavy high quality crucible steel. The spring curved tension back makes them rigid while shaving. No vibration and pulling is experienced, even against the heaviest beard. Will also fit Ever-Ready, Gem and other types.

STAR

Per Set

No. 1—Silver Nickel Plated Razor Frame, Heavy Metal Combination Handle and Hand Stropper, with **One Heavy Hand Forged Star Blade** (Grooves in Case for Three), All in Spring Hinged Steel Case, Black Leather Covered, Lined with Purple Velvet, 4x2x1⅛ in.....**$1 50**

GENUINE STAR BLADES

Each

Genuine Star—For the Old Reliable Star Safety Razors, Each Blade in a Carrier and Wrapped in a Neat Metal Air-Tight Case Keeping the Edge Free from Injury.....**$0 75**

These Blades are made from highest quality double refined English steel, hand forged and full hollow ground, specially hardened and tempered, polished and honed.

SAFETY RAZORS

ENDERS

Enders' Blade

Blade Container.

Each

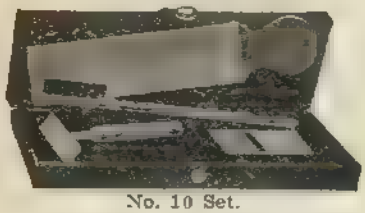
Enders'—Solid Nickel Silver Frame, Heavily Nickel Plated Steel Handle, with Knurled Center, Length 4 in., with 7 Blades in a Sealed Package Complete in a Hinged Black Keratol Covered Case, Lined with Purple Silk Plush, Button Clasp $2.00

Per Package

Enders' Blades—Made of Highest Grade Norwegian Cutlery Steel, Highly Tempered and Carefully Ground, Each Blade Will Give from Six to Twenty Shaves, 5 in a Sealed Package..... $0.50

PENN

Standard.



No. 10 Set.

Each

Penn Standard—Steel Frame and Handle, Triple Silver Plated, Handsomely Knurled Handle, Self-Cleaning, Equipped with a Smooth Drop Flange Guard, with Five Natural Damascus Finish Penn Sheffield Blades, Complete in a Spring Hinged Steel Box, Covered with Hand Tooled Spanish Leather, Top of Box is Padded and Lined with a Dark Blue Velvet..... $1 00

No. 10—Combination Set, Same Contents as in Standard, but has in Addition a Silver Plated Stropping Handle and Strop in Attractive Purple Velvet Lined Case Covered with a High Grade Waterproof Material, Finished in Imitation of Hand Tooled Spanish Leather..... 1.50

The Penn consists of only two parts, it cannot get out of order, a twist of the handle inserts or removes the blade Shaves as smooth as velvet.

Per Dozen Packages

Penn Blades—Individually Forged, Hand Tested and of Uniform Temper, Each Blade Separately Ground, Honed, Stropped and Tested, Five Blades in a Package..... $3 00

One Dozen Packages on Display Card.

SAFETY RAZOR STROPPERS

Per Dozen

Handy—Nickel Plated Blade Holder, Rubberoid Finish Handle, for Single and Double Edged Safety Razor Blades ..... $ ...

CHILDREN'S LOW PRICED STRAW HATS—Untrimmed.

Note the numbers you can retail profitably at 10 cents. Attractive merchandize from the retailer's viewpoint, because you usually sell the trimming also—ribbons or flowers. See index for our strong line of flower wreaths suitable for these hats.

A6035 — Lace openwork India panama, imported rush body, open weave, roll brim sailor shape, plain natural grass color. 1 doz. lots. Doz. **36c**

A6059—Peanut, most popular hat made for children, 2 of this season's best selling shapes, assid. wide brim mushroom and roll brim sailor, 1 doz. lots. .....Doz ***85**

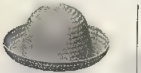
A6168—Bleached Canton braid, always staple, 3 new shapes, **white** only 1 doz. lots . . . . . .Doz. **84c**

A6147 -Imported Jap chip braid, rough tan pattern 3 attractive shapes, assid. Lowest priced braid hat made, **white** only 1 doz. lots. Doz. **52c**

A6167 Colored Bedford chip, light wt. rough Jap braid, 3 of this season's newest shapes, attractive colors. Assid. lt. blue, pink and burnt. 1 doz. lots . . . . . Doz. **89c**

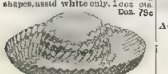
A6155 Imported rough **majestic braid,** 4 of this season's newest shapes **white** only 1 doz. lots Doz ***65**

A6171 -Imported Jap Storm braid, fine weave, smooth finish, 4 of this season's newest shapes, all the good selling colors, assid. **cardinal, royal,** lt. blue and **pink.** 1 doz. lots . . . . . Doz. ***85**

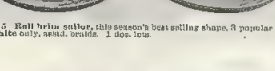


A6151—Light wt. Jap chip, smooth finish fine weave, 3 big selling shapes, assid **white** only. 1 doz. lots. Doz. **79c**

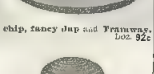
A6175 Roll brim sailor, this season's best selling shape, 3 popular braids, **chip,** fancy **Jap** and **Tranvers,** Doz. **92c**



A6178—Jap Jumbo braid, imported rough straw braid for a large 4 to 4½ inch brim mushroom and wide brim sailor, **white** only 1 doz. lots Doz. **85c**



A6143 Fancy colored chip and straw braid, fine weave, 3 big selling shapes, best selling colors, assid. **cardinal,** lt. **blue** and **pink** 1 doz. lots.....Doz. **$1.20**



A6146 Imported Jap Majestic braid, extra large mushroom shape full crown 4½ brim, assid **white, navy** and **cardinal.** 1 doz. lots. Doz. **$1.20**

BOYS' DRESS HATS.

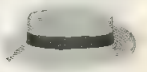
SOFT BRIM NEGLIGEE STRAW HATS.

A selection of this season's nobbiest styles. To retail at popular 25c and 50c prices. Sizes 6½ to 7 assid.

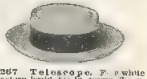
A6264— Diamond Crown Telescope. Bleached Canton braid, new diamond telescope crown, 2¾ in. brim, fancy silk band and side bow leather sweat. 1 doz. in box . Doz. **$2.00**

A6265 — Snap Brim. Bleached Canton braid 2¾ in crown, 2¾ in. brim, black silk ribbon band and side bow, leather sweat. 1 doz. in box . . . . . Doz. **$2.00**

A6269—Diamond Telescope. White bleached Rosary braid, new 3 in. diamond telescope crown, 2¾ in brim, fancy ribbon band and puggaree band, leather sweat. ½ doz. in box. Doz. **$4.00**



A6270—Snap Brim. Fine woven Milan braid, clear white finish, 2¾ in crown 2¾ in brim, black silk ribbon band and side bow, leather sweat. ½ doz. in box Doz. **$4.00**



A6267 Telescope. Fine white Eastern braid, 3¼ in. crown, 2¾ in. brim, black silk ribbon band and side bow, leather sweat. ½ doz. in box . . . . . Doz. **$4.00**

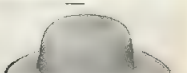
GENUINE PANAMAS FOR WOMEN, MISSES AND CHILDREN

The demand for Panamas this season is greater than ever. Note our low prices and our up-to-date styles.

A6875—Children's, 6 of the newest and smartest shapes for little girls and boys Tyrolean, Rah Rah and round crown, 4 inch mushroom and curled brim sailor, selected clear white bleached bodies. ½ doz. each shape. ½ doz. in box Doz. **$12.00**

Women's—Finest selected clear white bleached bodies in this season's most popular large shapes. ½ doz. in box.

A6877—**Small sailor,** 2½ in straight brim, 4 in. shirring crown. . . . . Doz. **$24.00**



Women's—Clear white bleached bodies, finely woven, 3 of this season's best selling blocks, medium shapes. ½ doz. in box.

A6879 **Large roll rim sailor,** 3½ in. curled brim, large round crown. Doz. **$24.00**

A6878—**Large sailor,** 3½ in. straight brim, large oval crown . . . . . Doz. **$24.00**

A6880 **Telescope sailor,** 3¼ in. roll brim, large 4 in. telescope crown. Doz. **$48.00**

A6876—Women's or misses', 4 big selling small shapes mushroom, curled and straight brims, selected clear white bleached bodies. ½ doz. each shape. ½ doz. in box Doz **$12.00**

A6882—**Large straight brim sailor,** 3½ in. brim, 4 in. round crown Doz **$48.00**

A6881 — **Large roll brim sailor,** 4 in. curled brim, large 5¼ in. rolling crown. Doz **$48.00**

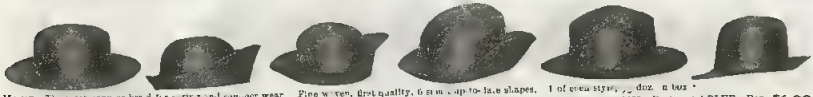
MILLINERY HAT SHAPES, FRAMES AND BRAIDS

Styles that are abreast of the season and prices that mean fancy profits and bulky sales for General, 5 & 10 Cent and Variety merchants Here is an undeveloped field and one of amazing possibilities. Order a few representative numbers from this page and feature them in your window and advertising. Your trade will appreciate the chance to buy shapes for making up their own hats and your sale of ribbons, flowers and trimmings will JUMP.

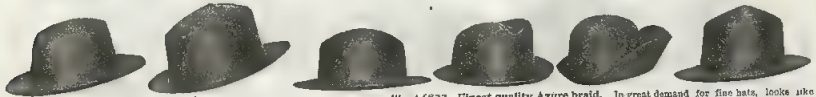
WOMEN'S UNTRIMMED HAT SHAPES Straw and Hemp.

The very last word in women's straw hats. All of this season's smart up-to-date shapes in the braids that are in vogue—hemp, chip and azure

Chip—Fine woven smooth Jap chip braid, 6 of this season's **new shapes**, sailor and curl brims 1 of each shape, ½ doz. in box.
A6824—BLACK . . Doz. **$4.50** A6825—WHITE . . Doz. **$4.50**



Hemp—The most popular braid for spring and summer wear Fine woven, first quality, 6 smart up-to-date shapes. 1 of even style, ½ doz. in box.
A6826—BLACK Doz. **$6.00** A6827—BURNT . Doz. **$6.00** A6828—SAND Doz. **$6.00** A6829—Regimental BLUE Doz. **$6.00**

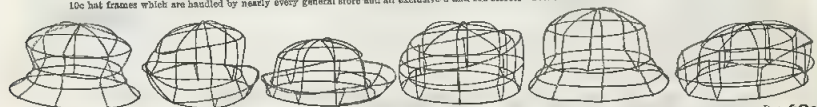


Hemp—First quality finest woven hemp braid, 3 of this season's smartest shapes, **silk velvet underbrims.** 1 of each style, ¼ doz. in box
A6830—BLACK .. Doz. **$9.00**
A6831—REGIMENTAL BLUE .. **9.00**
A6832—BURNT . **9.00**

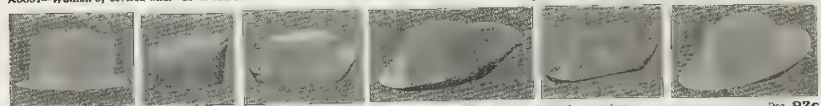
A6833—Finest quality Azure braid. In great demand for fine hats, looks like Milan hemp, 4 smart shapes, BLACK only. 1 of each style, ¼ doz. in box. Doz. **$12.00**

WOMEN'S AND MISSES' WIRE AND RICE NET HAT FRAMES.

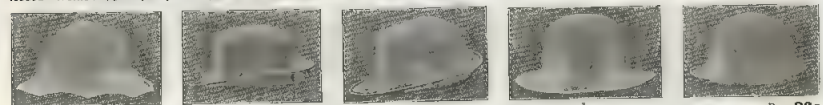
10c hat frames which are handled by nearly every general store and all exclusive 5 and 10c stores. Profitable merchandise that is in big demand.



A6851—Women's, covered wire. 12 of this season's newest and best selling shapes, white only. Asstd. 1 doz. in box. . . . . Doz. **60c**



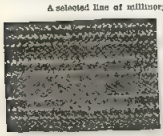
A6852—Women's, good quality rice net, bound edges, 12 of this season's biggest selling shapes, white only. Asstd. 1 doz. in box. . . . Doz **92c**



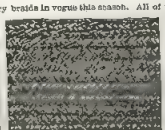
A6853 Misses' good quality rice net, bound edges, 6 best selling shapes for misses and young women, white only. Asstd. 1 doz. in box. . . . Doz **92c**

MILLINERY STRAW BRAIDS.

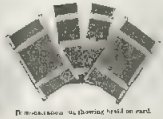
A selected line of millinery braids in vogue this season. All of the popular selling colors. Profitable merchandise handled by nearly all general and 5 & 10c stores



Tussah Silk Braid—Fine woven in basket effect 1 in. wide, 6 doz. yds. in pc., 1 piece sold
A6854 Black
A6855—Navy
A6856—Burnt
A6857—Regimental blue
A6858 White Doz. yds. **42c**

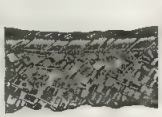


Vixen Silk Braid—1¼ in. fine Milan effect weave, 3 doz. yds. in pc., 1 piece sold
A6859 Black
A6860—Navy
A6861—Battleship gray
A6862—Sand Doz. yds **45c**

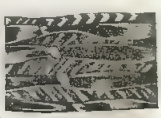


Braid as it appears on hat, showing braid on edge

On another page see our splendid new line of Artificial Flowers for millinery trimming



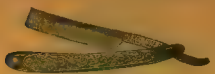
Tussah Silk Braid ⅞ in., fancy woven Jap pattern, tubular edges 1 doz. yds. in pc.
A6863—Black
A6864 Navy
A6865 Burnt
A6866—Regimental blue
A6867—Brown. Doz. yds **75c**



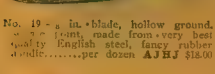
Tussah Silk Braid—1 in. weave in "Graygard" effect. 1 doz. yds. in pc.
A6868—Black
A6869—Navy
A6870—Sand
A6871—Regimental blue
Doz. yds **75c**

MISCELLANEOUS RAZORS, RAZOR HANDLES AND STROPPERS.

WM. ELLIOT & CO.'S RAZORS.

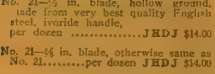


No. 19 - 8 in. blade, hollow ground, ... point, made from very best quality English steel, fancy rubber handle.....per dozen **AJHJ** $18.00



No. 21—⅞ in. blade, hollow ground, made from very best quality English steel, ivoride handle, per dozen .....**JHDJ** $14.00

No. 21—⅝ in. blade, otherwise same as No. 21.....per dozen **JHDJ** $14.00



No. 63—⅝ in. blade, hollow ground, square point, English steel, rubber handle, inlaid with pearl and silver, per dozen .....**AJHJ** $18.00

ONE-HALF DOZEN IN A BOX.

MISCELLANEOUS RAZORS.

No. 588—"The Boss," ⅝ in. blade, square point, high grade Swedish steel, extra hollow German ground, file tang, oval rubber handle, per dozen .....**DHJ** $8.00

No. 590—"The Boss," ⅝ in. blade, square point, high grade Swedish steel, extra hollow German ground, file tang, white celluloid oval handle, per dozen .....**DHJ** $8.00

ONE-HALF DOZEN IN A BOX.

WILHELM WEBER'S RAZORS.

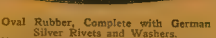
No. 512—Gold Medal, ⅝ in. blade, full hollow ground, round point, gimp tang, removable German silver safety guard, flat rubber handle, per dozen .....**AHJ** $30.00

ONE-HALF DOZEN IN A BOX.

RAZOR HANDLES.

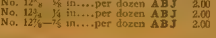
Oval Rubber, Complete with German Silver Rivets and Washers.

No. 12½	⅝ in.	per dozen **ABJ**	$2.00
No. 12⅞	⅝ in.	per dozen **ABJ**	2.00
No. 12¾	¾ in.	per dozen **ABJ**	2.00
No. 12⅞	⅞ in.	per dozen **ABJ**	2.00



Flat Rubber, Complete with German Silver Rivets and Washers.

No. 012½	⅝in.	per dozen **AEJ**	$2.50
No. 012⅝	⅝in.	per dozen **AEJ**	2.50
No. 012¾	¾ in.	per dozen **AEJ**	2.50
No. 012⅞	⅞ in.	per dozen **AEJ**	2.50



Flat White Bone, Complete with German Silver Rivets and Washers.

No. 2005	⅝ in.	per dozen **BAJ**	$3.50
No. 2005	¾ in.	per dozen **BAJ**	3.50
No. 2005	⅞ in.	per dozen **BAJ**	3.50

ONE DOZEN IN A BOX.

SUNASACK AUTOMATIC STROPPERS.

No. 16—Complete with full length strop 2⅛ in. wide, and 2 blade holders, metal parts nickel plated, per dozen .....**ADDJ** $24.00

Adapted to all styles of safety razor blades and has a special holder for [illegible] *and* [illegible] *blades. Particularly adapted for old style razors giving a shaving edge that cannot be produced by any human hand.*

The strop is of the lightest weight of firm leather cut from the best part of the hide and will not stretch. It is of a close grain filled with a mineral that gives a smooth, cool cutting edge and benefits the razor blade. No more round edges.

ONE IN A BOX; ONE DOZEN IN A CARTON.

NEW IMPROVED ZIG-ZAG STROPPER.

No. 080—New Improved Zig-Zag, all metal frame, black enameled hard wood handle, non-slipping grip with patented device which absolutely pre[illegible] cutting of razor in strop. Is an [illegible] zig-zag razor strop of highest [illegible] speed. Illustrated both [illegible] with adjusting [illegible] [illegible] and [illegible] Lever Ready [illegible] and other safety [illegible] [illegible], put up per pen .....**JIFJ** $16.00

ONE-HALF DOZEN IN A CARTON.

VICTOR AUTOMATIC STROPPER.

Victor, complete with full length specially prepared soft leather strop, 2 in. wide, and two blade holders, one for blades having holes or slots and the other for plain blades, metal parts nickel plated, per dozen **JIFJ** $16.00

The Victor stropper is mechanically perfect. It will sharpen both wafer and hollow ground blades to the same perfect edge.

Sharpens any safety razor blade made.

ONE IN A BOX.

[illegible] HAND STROPPERS.

For Stropping [illegible] and [illegible] Safety Razor Blades.

No. 150 [illegible]—Length 6 in., metal tubing, heavily silver plated, fitted with an ingenious spring device which securely holds the blades while stropping.....per dozen **AEJ** $3.00

This stropper is so designed as to produce a fine razor edge by a few simple strokes on the strop. The real 25 cent retailer on the market.

ONE DOZEN IN A DISPLAY BOX.

GILLETTE SAFETY RAZORS.

No. 460—Standard razor set, triple silver plated razor, 12 blades, morocco grain case, velvet lined, per dozen sets DIEJ $60.00

No. 466—Same as No. 460, per dozen sets ★ . . . . . EIDJ 72 00

No. 468—English pigskin case, otherwise same as No. 460, per dozen sets ★ . . . . . EIDJ 72.00

No. 460B—Triple silver plated razor, nickel plated case, velvet lined, 12 blades . . . per dozen sets DIEJ $60.00

No. 460C—Triple silver plated case, otherwise same as No. 460B, per dozen sets ★ . . . . . EIDJ 72.00

No. 460G—Gold plated razor and case, otherwise same as No. 460B, per dozen sets. ★ . . . . . GDEE 90.00

Plain Pattern, Pocket Edition.

No. 500—Triple silver plated razor and case, velvet lined, 12 blades, per dozen sets . . . DIEJ $60.00

No. 500A—Gold plated razor and gun metal case, otherwise same as No. 500, per dozen sets ★ . . . . EDDE 66.00

No. 500B—Gold plated razor and case, otherwise same as No. 500, per dozen sets. ★ . . . . . EIDJ 72.00

Basket Pattern, Pocket Edition.

No. 501—Triple silver plated razor and case, velvet lined, 12 blades, per dozen sets. . . . . DIEJ $60.00

No. 501A—Gold plated razor and gun metal case, otherwise same as No. 501, per dozen sets ★ . . . . . EDDE 66.00

No. 501B—Gold plated razor and case, otherwise same as No. 501, per dozen sets. ★ . . . . . EIDJ 72 00

Shell Pattern, Pocket Edition.

No. 502—Triple silver plated razor and case, velvet lined, 12 blades, per dozen sets. . . . . DIEJ $60.00

No. 502A—Gold plated razor and gun metal case, otherwise same as No. 502, per dozen sets. ★ . . . . . EDDE 66.00

No. 502B—Gold plated razor and case, otherwise same as No. 502, per dozen sets ★ . . . . . EIDJ 72.00

Flower Pattern, Pocket Edition.

No. 503—Triple silver plated razor and case, velvet lined, 12 blades, per dozen sets. . . . . DIEJ $60.00

No. 503A—Gold plated razor and gun metal case, otherwise same as No. 503, per dozen sets. ★ . . . . . EDDE 66.00

No. 503B—Gold plated razor and case, otherwise same as No. 503, per dozen sets. ★ . . . . . EIDJ 72 00

★FOR FACTORY SHIPMENT ONLY.

ELECTRIC & GAS DOMES.

All are wired complete with pull chain socket, canopy and crow's foot. Gas domes fitted with steam canopy and complete inverted arm.

Full bt 42 in., 18 in. hexagon amber removable glass panel shade, 3 in. skirt, brush brass division, 5 in. beaded fringe to match. 1 in case, 30 lbs.

C3356—Electric. Pull chain socket. Each, **$4.00**

C3351—Gas. Tubing inverted burner, mantle and globe. Each, **$4.00**

Diam. 22 in., full bt 56 in., octagon paneled best amber art glass, 4 in. border panels in sunset effect, heavy apple blossom pattern etched covering brass banding. Flemish finish. 1 in case, 60 lbs.

C3295 Electric. Three pull chain sockets. Each, **$11.00**

C3297 Gas. Tubing inverted burner, mantle and globe. Each, **$11.00**

C3295-61

C3297-61

OIL DOME.

Complete with chain and canopy. No. 2 Regal center draft brass fount with wick. Can be changed at any time to either gas or electric dome at very small expense.

C3268—Diam. 22 in., full bt 56 in., 8 paneled, best amber art glass dome, 4½ in. frosted tulip band, amber bead fringe, brass banding and ornamental ornamental border, brass brass finish. Each, **$9.25**

C3268-61

PORTABLES

GAS AND ELECTRIC

All gas portables complete with tube, gooseneck, burner, mantle and chimney. Electric portables complete with 6 ft. cord, plug and socket. Fittings positively the best the money can buy.

Green—Ht. 18 in. heavy embossed base, verde green finish, 10 in. cased green shade, 4 in. green bead fringe, key socket. 1 in case, 20 lbs.

C3151—Electric.

C3152—Gas. Each, **$2.25**

C3155—Electric. Ht. 19 in., brush brass base, pillar and ornamental top fitter, 12 in. green cased shade, twin pull sockets. 1 in case, 40 lbs. Each, **$3.65**

C3136—Electric. Ht. 21 in., verde green embossed base and spun fitter, patent adjustable shade holder, twin pull sockets, 12 in. silver domed tint shade, green luster embossed cuticle, hand painted American Beauty rose interior. 1 in case, 40 lbs. Each **$5.15**

C3189—Electric. Ht. 22 in. 2 light, heavy embossed cast base, brush brass finish, reeded stem, spun fitter, adjustable shade holder, twin pull socket, crystal allover etched 16 in. shade, hand painted American Beauty interior. 1 in case, 35 lbs. .. Each **$7.50**

C3141—Electric. Ht. 23 in., 2 light, large spun brass case, stem and top fitter, 16½ in. 119 pc leaded amber art glass shade with amber, green and pink skirt. 1 in case, 50 lbs. Each, **$8.65**

Wood Mission—Ht. 19 in., weathered oak finish, 12 in. amber art glass shade, 2 in. skirt, square base and columns. 1 in case, 30 lbs.

C3130—Electric.

C3131—Gas. Each, **$2.75**

C3137—Electric. Ht. 19 in., spun brass base, pillar and ornamental top fitter, adjustable shade holder, key socket, 12 in. floral leaf shade, interior with hand painted violets and green leaves. 1 in case, 40 lbs. Each, **$3.95**

C3138—Electric. Ht. 20 in., brass base and top fitter, ornamental stem, pull chain socket, 125 pc. leaded amber, pink and green art glass shade and skirt. 1 in case 40 lbs. Each, **$6.60**

C3140—Electric. Ht. 21 in., 2 light, gold plated embossed cast base and stem, ornamental top fitter, 2 pull chain sockets, 11½ in. heavy square crystal shade, allover etched design, beautifully tinted landscape scenes. 1 in case, 35 lbs. .. Each, **$8.75**

C3143—Electric. Ht. 24 in., 3 light, heavy cast base, pillar and spun top fitter, 3 pull chain sockets, all in ivory finish, 16½ in hexagon allover frosted 1 pc. shade, ivory to amber tints, hand painted iris and green leaf interior. 1 in case 60 lbs. Each, **$18.00**

"BUNGALOW" FOLDING ELECTRIC PORTABLE.

Just the thing for the summer home. Built like a parasol, no danger of breakage.

Ht. 25 in., brushed brass finish cast base, best quality canvas covered shade folding, unbreakable rods 18 in., wired with pull chain socket and 6 ft. cord, 1 in carton.

C3156—Pastel pink & lavender blossoms, green foliage. Each, **$2.75**

C3157—Blue roses, shaded green foliage, cream ground. Each **$2.75**

C3158—Yellow roses, shaded green and sundow foliage. Each **$2.75**

ALL CRYSTAL ELECTRIC PORTABLE.

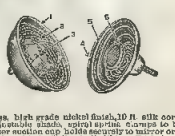
C3164—Ht. 18 in., bob stem and deep cut design, sparkling finish, 10 in. deco shade with 12 in. swell, nickel plated ring pull chain sockets, 6 ft. white silk parallel cord, Benjamin plug. 1 in case, about 20 lbs. Each, **$3.15**

ELECTRIC DESK LAMP.

C3559—Ht. 17 in., heavy weighted bottom, adjustable at base and socket, brush brass finish, cone piece with shade and 6½ ft. cord and plug. 12 lbs.. Each, **$1.50**

"ALADDIN" ELECTRIC PORTABLE.

Stands, hangs, clamps or sticks anywhere at any angle. Can be folded and carried in bag.



C3760—Solid brass, high grade nickel finish, 10 ft. silk cord, Benjamin plug, adjustable shade, spiral spring, clamps to back of chair, etc., rubber suction cup holds securely to mirror or to any non-porous surface. Ht. including bulb 12 in. Each in carton, 1 lb .. ..Each (without bulb) **$1.40**

WATER COOLERS.

Japanned, Assorted Colors, Nickel Plated Brass Push Button Faucet, Galvanized Reservoir.

Nos.	202	203	204
Capacity, gal	2	3	4
Height, in.	17	19	22
Diam. of base, in.	10½	11½	12½
Wt, lbs	9	13	13
Each	$2.00	2.50	2.90
	ABJ	AEJ	AGJ
Nos.	206	208	210
Capacity, gal	6	8	10
Height, in.	24½	28	29½
Diam. of base, in.	14½	16	17½
Wt, lbs	18	30	55
Each	$3.50	4.80	5.50
	BAJ	BHJ	CDJ

ONE IN A CASE.

Fancy Japanned, Assorted Colors, Nickel Plated Self-Closing C. & H. Push Button Faucet, Galvanized Reservoir, Heavy Cast Side Handles.

Nos.	103	104	106
Capacity, gal.	3	4	6
Height, in.	19½	22	24½
Diam. of base, in	11½	12½	14½
Wt, lbs	11	14	16
Each	$3.30	4.00	4.70
	BJJ	BDJ	BHJ
Nos	108	110	115
Capacity, gal.	8	10	15
Height, in.	28	29½	32½
Diam. of base, in	16	17½	20½
Wt, lbs.	57	60	[illegible]
Each	$6.00	7.00	9.00
	CFJ	DBJ	EDJ

The above coolers have a perfect finish, the walls are thick and well filled and in consequence they are economical in the use of ice.

ONE IN A CASE.

Fancy Japanned, Assorted Colors, Cast Iron Porcelain Lined Reservoir, Thick Charcoal Filled Walls, Nickel Plated Self-Closing Telegraph Faucets.

Nos.	4030	4040	4050
Capacity, gal	3	4	5
Height, in.	21½	24	25½
Diam base, in	11½	13	15
Wt, lbs	40	50	70
Each	$8.00	10.50	12.40
	DHJ	JFCJ	JGDE

Nos.	4060	4080	4100
Capacity, gal	6	8	10
Height, in	23	30	33
Diam. base, in	13½	16½	17½
Wt, lbs	80	90	110
Each	$14.00	18.00	22.00
	JHDJ	AJHJ	ACBJ

ONE IN A CASE

Fancy Japanned, Assorted Colors, Cast Iron Porcelain Lined Water Reservoir, Porcelain Lined Ice Cylinder, Thick Charcoal Filled Walls, Nickel Plated Self-Closing Telegraph Faucets.

Nos.	507	508	510
Capacity, gal	4	5	6
Height, in	20½	22	24
Diam base in	16	16½	17½
Wt, lbs	105	130	140
Each	$20.00	24.00	29.00
	ABJJ	ADDJ	AGDJ

Nos.	512	514
Capacity, gal	8	10
Height, in.	34	36
Diam. of base, in.	19½	20
Wt, lbs.	160	180
Each	$40.00	46.00
	BDJJ	BGFJ

ONE IN A CASE

Plain Mahogany Finish.

Nos.	604	605	608
Capacity, gal	3	4	6
Height, in.	14½	16	17½
Diam. of base, in.	9½	9½	11¾
Wt, lbs	6	11	15
Each	$2.25	2.50	3.00
	AEJ	AFE	ANJ
Nos.	609	610	615
Capacity, gal.	7	7	11
Height, in.	16	16	25
Diam. of base, in.	11½	11½	13½
Wt, lbs	18	18	23
Each	$3.80	3.80	5.30
	BCJ	CBJ	

These coolers are made of indurated fibre, moulded in one piece without hoops or bands. Indurated fibre is a non-conductor of heat, and therefore these coolers are very economical in ice consumption. It is tasteless and odorless, and very easily cleaned, as there are no joints or cracks to collect impurities.

ONE IN A CASE.

Glazed Stoneware, Nickel Plated Faucet.

Nos.	702	703	704	705
Capacity, gal.	2	3	4	5
Height, in.	11	12	13½	14½
Dia. base, in.	9	9	9	10½
Wt, lbs.	19	24	27	30
Each	$1.70	2.00	2.25	2.50
	ABJ	ACE	AEJ	AFJ
Nos.	705	708	7010	7012
Capacity, gal.	6	8	10	12
Height, in.	15	16	18	20
Dia. base, in.	11½	11½	12½	14
Wt, lbs.	36	42	52	64
Each	$3.00	3.40	4.50	6.00
	AHJ	BDJ	BGE	CFJ

These coolers are sanitary, and are as easily cleaned as a china plate.

ONE IN A CRATE

Fine Gold Filled and Silver Cane and Umbrella Heads

PRICES EACH

OPERA CROOK

14k gold filled, fine hand chased

No. 8549 ⅝ inch $16.70
No. 8550 ¾ inch 18.35
No. 8551 ⅞ inch 20.00

Guaranteed 10 years.

Same as above with 5% solid gold engraving shield

No. 8552 ⅝ inch $21.70
No. 8553 ¾ inch 23.35
No. 8554 ⅞ inch 25.00

Guaranteed 25 years.

Prices quoted are for complete canes with fine quality ebony sticks. Heads only will be furnished if so ordered. To obtain complete price add cost of sticks as follows: not $3.00 each, $4.50, $6.00 each, $2.25 each, $2.00. For prices of umbrellas without handles see page 363.

OPERA

14k gold filled, fine hand chased

No. 8555 ⅝ inch $14.70
No. 8556 ¾ inch 16.35
No. 8557 ⅞ inch 18.00
No. 8558 1 inch 20.00

Guaranteed 25 years.

Same as above with 14k solid gold top for engraving

No. 8559 ⅝ inch $17.00
No. 8560 ¾ inch 18.65
No. 8561 ⅞ inch 20.30
No. 8562 1 inch 43.35

Guaranteed 25 years.

DOME

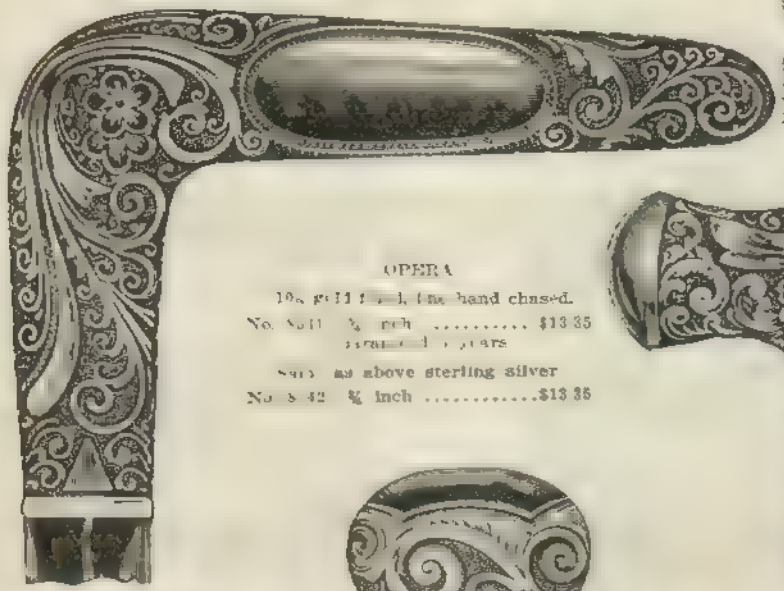
10k gold filled, fine hand chased

No. 8533 ¾ inch $13.35

Guaranteed 7 years.

Same as above sterling silver.

No. 8534 ⅞ inch....$13.35



OPERA

10k gold filled, fine hand chased.

No. 8541 ¾ inch $13.35

Guaranteed 7 years

Same as above sterling silver

No. 8542 ⅞ inch $13.35

POLO

14k gold filled, fine hand chased.

No. 8535 ⅝ inch $17.00
No. 8536 ¾ inch 21.65
No. 8537 1 inch 26.70

Guaranteed 10 years

Same as above with 14k solid gold shield

No. 8538 ⅝ inch $20.00
No. 8539 ¾ inch 23.65
No. 8540 1 inch 28.70

Guaranteed 25 years

CAP

14k gold filled, fine hand chased.

No. 8553 ⅝ inch $15.00
No. 8554 1 inch 18.35

Guaranteed 10 years.

LION

14k gold filled, fine hand chased

No. 8545 ⅝ inch $19.35
No. 8546 ¾ inch 21.70
No. 8547 ⅞ inch 24.00
No. 8548 1 inch 26.35

Guaranteed 10 years.

Same as above with solid gold top for engraving

No. 8543 ⅝ inch $23.35
No. 8544 ¾ inch 25.70
No. 8545 ⅞ inch 28.00
No. 8546 1 inch 48.35

Guaranteed 25 years.

POLO

10k gold filled, fine hand chased

No. 8543 ⅝ inch $13.35

Guaranteed 7 years

Same as above sterling silver

No. 8544 ⅝ inch $13.35

LAMPS

★SOLAR ASSORTMENT—SIX LAMPS

Six High-Grade Decorated Reception Lamps, One of Each Style Shown and Described Below. Decorations are Hand Painted, Burst In. All Complete with No. 2 Sun Burners, Chimneys and Wicks.

No. 6901A—Height, 17½ Inches; Globe, 8 Inches, Light Pink Tint with Yellow Wild Roses.

No. 6901B—Height, 17½ Inches; Globe, 8 Inches, Tan and Pink Tint and Red Roses.

No. 6901C—Height, 17½ Inches; Globe, 8 Inches, Dark Blue Tint and Dark Red Roses.

No. 6901A—Height, 17½ Inches; Shade, 7 Inches, Opal and Pink Tinted and Hand Painted Red Roses.

No. 6901B—Height, 17½ Inches; Globe, 7½ Inches; Opal Tint with Dark Red Roses.

No. 6901C—Height, 17½ Inches; Shade, 7 Inches, Opal Tinted, Decorated with Wild Red Roses.

All of Above Lamps are Furnished with No. 2 Sun Burners, Chimneys and Wicks.

Per Assortment

★Solar Assortment.—Containing Six High-Grade Decorated Reception Lamps, One of Each Style and Decoration Described Above; Complete with Burners, Chimneys and Wicks. $12.00

Sold in Complete Assortments Only.

One Assortment in a Barrel. Shipping Weight, 60 Pounds

No Additional Charge for Packing.

LAMPS

GEM ASSORTMENT—EIGHT LAMPS

Metal Base Rich Gilt Finish

Eight Fancy Pressed Glass Metal Base Lamps; Fancy Rose and Grape Design Pressed Glass Globes and Chimneys. Fitted with No. 2 Plaster Collars. Two of each Style shown and described below.

Our Gem Assortment Lamp must be seen before its Beauty can be fully appreciated. We have never seen any other so beautiful at the price, so Perfect in Design and Natural Color effects. It is almost impossible to convey an accurate idea as to what it is by Description.

The Style and Process of Manufacture is entirely different from any other. The Designs, Flowers, etc., are Pressed in the Glass and then Decorated in Three Natural Colors, Tints, etc. and then all covered with a Background of Pure Gold Bronze.

Four Fancy High Grade Reception Lamps with Globes and Chimneys, Two with the Rose Design and Two with the Grape Design.

Height to Top of Collar 21½ Inches; Diameter of Globe 8 Inches; Height to Top of Chimneys 18 Inches. Capacity of Fount 2½ Pints; complete with No. 2 Sun Burners and No. 2 Chimneys but without Wicks.

Four Fancy Pressed Glass Mammoth Sewing Style Lamps with Chimneys. Two with the Rose Design and Two with the Grape Design.

Height to Top of Collar 10 Inches; Height to Top of Chimney 18 Inches; Capacity of Fount 3½ Pints; Complete with No. 2 Sun Burners and No. 2 Chimneys but without Wicks.

Per Assortment

Gem Assortment—Contains Eight Lamps; Two of each Style as Illustrated above; complete with Burners and Chimneys but without Wicks..... $13.50

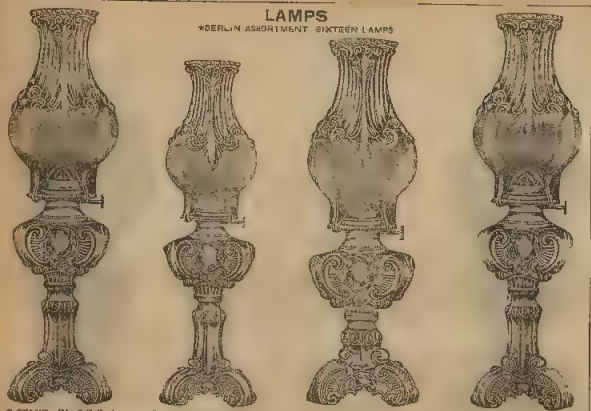
Sold in Complete Assortments Only

One Assortment in a Barrel, Shipping Weight 90 Lbs.

No Additional Charge for Packing.

LAMPS

*BERLIN ASSORTMENT SIXTEEN LAMPS



C STAND—(No. 3 Collar) B STAND—No. 3 Collar) C SEW NG—(No. 2 Collar) D STAND—(No. 2 Collar)

Clear Crystal Glass, Decorated with Ruby and Emerald Aniline Colors and Gold Bronze Tracings. Fitted with Genuine Rirerside Shrunk-On Collars. Per Assortment

*BERLIN ASSORTMENT—Contains Sixteen Lamps, Four of Each Style Illustrated above; Complete with Burners, Chimneys and Wicks . . . $15.00

Sold in Complete Assortments Only

One Assortment in a Barrel Shipping Weight 75 Pounds

No Additional Charge for Packing

*VINTAGE ASSORTMENT—TWELVE LAMPS

Twelve Fancy High Grade Pressed Glass Base Lamps; Fancy Pressed Glass Fount and Chimneys; al are Fitted with No. 2 Plaster Collars. Furnished Complete with No. 2 Sun Burners and No. 2 Chimneys, but without Wicks. Assorted Colors Red, Green and Bronze with Gold and Red Bases.

ASSORTED COLOR BASES. EXTRA LARGE MAMMOTH STYLE SEWING LAMP. SQUAT BASE, BRINGING THE LIGHT CLOSE TO WORK WHEN IN USE ON A SEWING MACHINE.

The Style and Process of Manufacture is entirely different from any other. The Designs, Flowers, etc., are Pressed in the Glass and then Decorated in Three Natural Colors, Tints, etc., and then all Covered with a Back ground of Pure Gold Bronze.

No. A Size—Height to Top of Collar 9 inches for No. 2 Burner and Chimney

No. B Size—Height to Top of Collar 9½ inches for No. 2 Burner and Chimney

No. C Size—Height to Top of Collar 10½ inches, for No. 2 Burner and Chimney

No. C Sewing Size—Height to Top of Collar 9¼ inches; for No. 2 Burner and Chimney

Per Assortment

*Vintage Assortment—Contains Twelve Lamps. Three of each Size Decorated in Fancy Grape Design with Bright Blending Colors; all have No. 2 Plaster Collars for use with No. 2 Burners and Chimneys; but are Sold without Wicks $11.00

Sold in Complete Assortments Only.

One Assortment in a Barrel; Shipping Weight 75 lbs. No Additional Charge for Packing.

LAMPS

*ORIENTAL ASSORTMENT—TWELVE LAMPS

Twelve Fancy Pressed Glass, Colored Base Lamps; Fancy Scroll Design Pressed Glass Chimneys; All are Fitted with No. 2 Shrunk On Collars, will not loosen or Come off. Furnished Complete with No. 2 Sun Burners and No. 2 Chimneys, but without Wicks.

Assorted Color Bases.

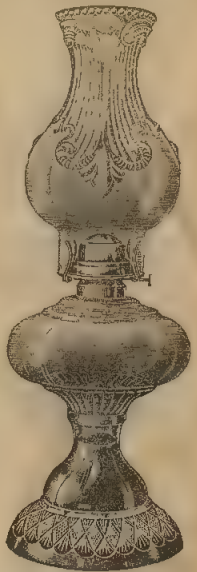
Elaborate Scroll Design Base, Fount and Chimney

Extra Large Sewing Lamp.

Squat Base, bringing the Light Close to the Work when in Use on a Sewing Machine.

Six Lamps with Ruby Bases, Gold Decorated, Fancy Crystal Chimneys.

Six Lamps with Emerald Bases, Gold Decorated, Fancy Crystal Chimneys.



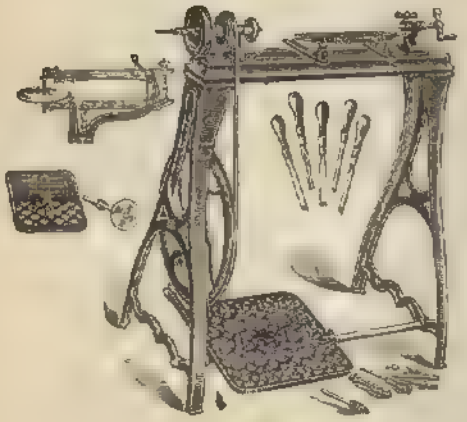
Per Assortment

*Oriental Assortment—Contains Twelve Lamps (Large Sewing Style); Height to the Top of Collar 9¾ Inches; Height to Top of Chimney 19 Inches. Capacity of Founts 2½ Pints, Furnished with Shrunk-On Collars No. 2; Complete with No. 2 Sun Burners and No. 2 Chimneys, but without Wicks $9.00

Sold in Complete Assortments Only.

One Assortment in a Tierce; Shipping Weight 90 lbs. No Additional Charge for Packing.

LATHES AND SAW ATTACHMENTS



No. 317

GOODELL'S

Japanned Iron Frame, Nickel Plated Parts.

Each

No. 317—Swing of Lathe 5 in., Distance Between Centers 13½ in., Distance of Bed from Floor 27 in., Length of Bed 24 in., 4½x⅞ in. Emery Wheel, Accurate Drill Chuck Holding from 0 to ¼ in. Diameter Round Shank Drills, Long and Short Tool Rests, Drill Spindle with Chuck for Drill Points for Wood Boring, Complete with 5 Turning Tools, Drill Points, Wrench, Etc., **without** Scroll and Circular Saw Attachments, Net Weight 50 Lbs., Boxed Weight 71 Lbs. $15.00

No. 318—Scroll Saw Attachment, Nickel Plated Table, Ashwood Arms, Dust Blower, Adjustable Saw Guide and Lever. Complete with Saw Blades, Designs, Etc., Net Weight 7 Lbs.. Boxed Weight 16 Lbs... ..... 3 00

No. 319—Circular Saw Attachment, with 6x7 in. Saw Table, Saw Arbor, 3 in. Diameter Saw Blade and Straight Edge Guide, Net Weight 3 Lbs. 1 25

This Lathe has drive wheel and cone pulley with two grooves to permit change of speed. Lathe head has 2 in. face plate and spur center and screw center for turning cups. Has Tail Stock with Screw Feed clamped at any point

One in a Wooden Box, Knocked Down.

COMPANION

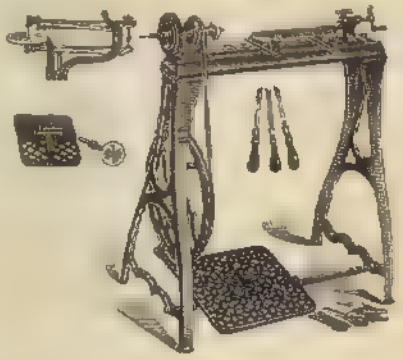
Each

No. 327—Same as the Goodell Lathe Described and Illustrated Above, with the Exception that it is not so Highly Finished, Nor is Drill Chuck or More than Three Turning Tools Furnished Net Weight 50 Lbs., Boxed Weight 71 Lbs.. ..... $12.50

No. 318—Scroll Saw Attachment, Same as Furnished with No 317 Lathe 3 00

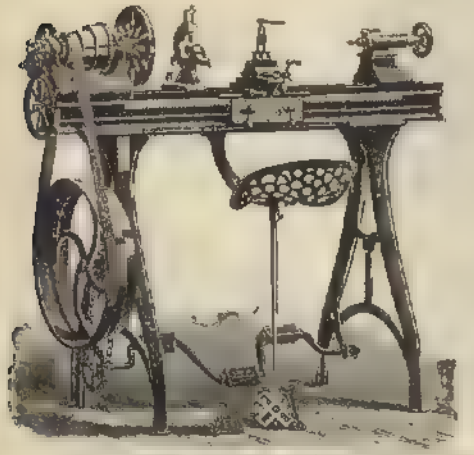
No. 319—Circular Saw Attachment, Same as Furnished with No. 317 Lathe 1.25

Note—When Ordering, Always State Whether Either or Both of the Saw Attachments are Wanted.



No. 327.

SCREW CUTTING LATHES



11 INCH SWING

This Lathe swings 11 in. on the face plate, 6⅝ in. over the tool carriage, and is 34 in between centers.

The Head Stock has a steel spindle with ⅝ in. hole through its entire length.

The Boxes are accurately fitted to the spindle with provision to keep them true and take up wear.

The Tail Stock can be readily set at any desired point or taken altogether from the lathe bed, thus leaving it free for face plate or chuck-work. It can also be set over for turning tapers.

The Spindles of both head and tail stocks are of steel, with positively true taper holes for the reception of the centers, and the tail stock center is self-discharging

The Tool Carriage is a model of convenience and accuracy and is gibbed to the bed.

The Tool Carriage swivels so that the tool can be set to work at any desired angle, and it also adapts the lathe for taper boring.

All the works are securely protected from chips and dirt, thus insuring long wear and durability to the most costly and vital parts of the lathe.

Indexed for threads 4 to 40, and the change gears furnished can be combined for many other threads.

As a right or left screw cutting lathe it is simply perfect.

All the gearing is cut from solid metal in the best machinery known for gear cutting, and is as true and noiseless as is possible for metal gearing to be.

Each

No. 5—11 in. Swing, with Foot Power or Countershaft, Weight Each Boxed 500 Lbs. $115.00

EXTRA PARTS

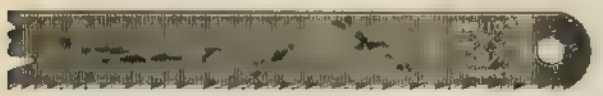
	Each		Each
Compound Rest in Place of Plain Rest	$10.00	Raising Blocks to Swing 17 in., for Turning and Boring	$15.00
Follower Rest	3.50	Countershaft, 7x2 in Pulleys, Should be Speeded 225 R. P. M.	15.00
Hand Rest	3.50		

NOTE—When Ordering Lathes, be Particular to State Whether Wanted with Foot Power or Countershaft; if with Foot Power, State Whether Velocipede or Stand-Up Treadle.

HACK SAW BLADES

STARRETT'S

Starrett's Hack Saw Blades are made of the finest grade of steel, tempered by an improved process, which leaves them hard and tough, so that they will not "shell off," and uniform in temper. They are too hard to file. The teeth are sharp, with square cutting points, set evenly and in such a manner that every tooth cuts.



No. 103—With Regular Tooth, 18 to the Inch, for General Use in Hand Frames.

For Sawing all Solids, Tool Steel, Wrought Iron, Cast Iron and Slate.

Length, Inches	8	9	10	12
Width, Inches	7/16	7/16	½	½
Thickness, Inches	.022	.022	.025	.025
Per Gross	$8 00	9.00	10.00	12.00

No. 230—Flexible Back, with Regular Teeth, 18 to the Inch, for Use in Hand Frames.

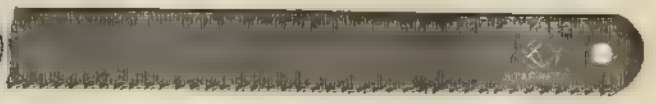
Especially Recommended for Difficult Sawing where Saw is Liable to be Strained or Used by Unskilled labor.

Length, Inches	8	9	10	12
Width, Inches	7/16	7/16	½	½
Thickness, Inches	.022	.022	.025	.025
Per Gross	$8 00	9.00	10.00	12 00

No. 102—With Fine Teeth, 24 to the Inch, for Use in Hand Frames, on Tubing, Etc.

For Sawing Tubing, Brass, Copper and Sheet Metal, and Cutting Light Angle Iron, Wrought Iron Pipe, Electric Casing, Tool Steel and Brass

Length, Inches	8	9	10	12
Width, Inches	7/16	7/16	½	½
Thickness, Inches	.022	.022	.025	.025
Per Gross	$8.00	9.00	10.00	12.00



No. 252—Flexible Back, with Fine Teeth, 24 to the Inch, for Use in Hand Frames, on Tubing, Etc.

For Sawing Tubing, Brass, Copper and Sheet Metal.

Length, Inches	8	9	10	12
Width, Inches	7/16	7/16	½	½
Thickness, Inches	.022	.022	.025	.025
Per Gross	$8 00	9.00	10.00	12.00

The Flexible Back Blades are made of the finest grade of steel especially adapted to the purpose, hardened and tempered on the cutting edge only, with flexible back.

No. 253—With Extra Fine Teeth, 32 to the Inch, for Use in Hand Frames on Tubing, Etc.

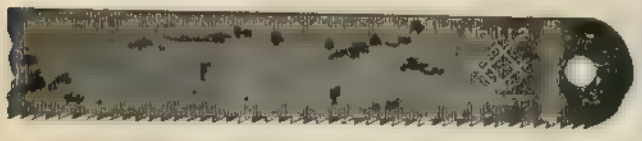
For Cutting Brass Tubing, Sheet Steel and all Thin Metals

Length, Inches	8	9	10	12
Width, Inches	7/16	7/16	½	½
Thickness, Inches	.025	.025	.025	.025
Per Gross	$8 00	9.00	10 00	12.00

No. 258—Flexible Back, with Extra Fine Teeth, 32 to the Inch, for Use in Hand Frames, on Thin Sheet Metals, Etc.

For Sawing Thin Sheet Metal and Tubing.

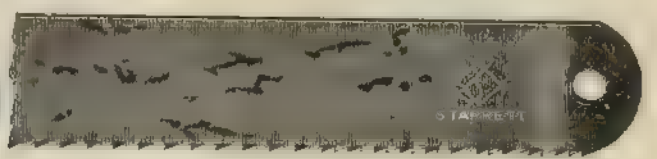
Length, Inches	10	12
Width, Inches	½	½
Thickness, Inches	.025	.025
Per Gross	$10.00	12.00



No. 112—With Regular Teeth, 18 to the Inch, for General Use in Light Power Machines or Hand Frames.

For Cutting Brass Tubing, Sheet Steel and all Thin Metals.

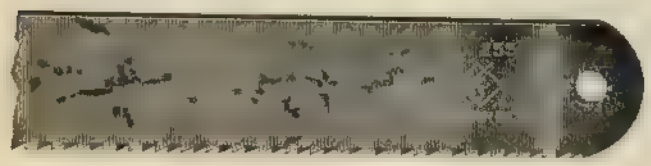
Length, Inches	10	12	14
Width, Inches	⅝	⅝	⅝
Thickness, Inches	.030	.030	.030
Per Gross	$12.60	12.60	16.20



No. 114—With Regular Teeth, 14 Teeth to the Inch, for Work in Medium Weight Power Machines.

Length, Inches	10	12	14	16
Width, Inches	¾	¾	¾	¾
Thickness, Inches	.032	.032	.032	.032
Per Gross	$13.50	16.20	18.90	21.60

The lengths given on No. 114 blades refer to distance from center to center of holes, except in 14 in., which are 13½ in. from center to center of holes.



No. 255—With Regular Teeth, 14 Teeth to the Inch, for Use in High Speed Power Machines.

These Blades are ¾ in. Wide, .049 in. Thick, Hardened throughout and Especially Adapted for Heavy Work.

Length, Inches	12	14	16	17	18
Per Gross	$23.40	27.30	31.20	33.15	35.10

The lengths given on No. 255 blades refer to distance from center to center of holes, except in the 14 and 17 in. lengths, which are 13½ and 16½ in. respectively from center to center of holes.

ROSETTE OR PATTY IRONS

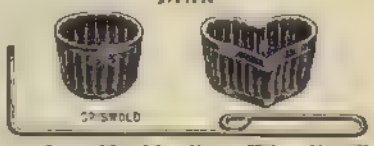
SHALLOW

Cast Iron Moulds, Bent Wire Handle.

Per Dozen Sets

No. 1—Shallow Style, Cast Iron, Set Consists of Two Moulds and Bent Wire Handle, Weight Per Dozen Sets About 12 Lbs.....$....

DEEP



Cast Iron Moulds, Bent Wire Handle.

Per Dozen Sets

No. 2—Deep Style, Cast Iron, Set Consists of Two Moulds and Bent Wire Handle, Weight Per Dozen Sets About 18 Lbs . . . . $ . .

The bent wire handle is always cool and will not twist in the hand. The points under bottom of mould keep the wafer from bottom of pan when left to dry

One Set in a Neat Display Box

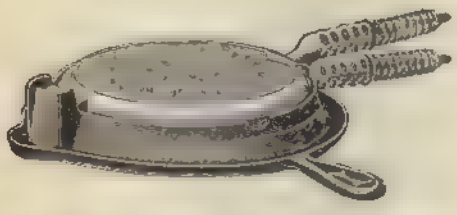
TIMBALE IRONS

Nickel Plated Head and Shank, Wood Handle.

	Per Dozen
No. 1—Plain Round	$
No. 2—Plain Oval	
No. 3—Fluted Round	
No. 4—Fluted Oval	
No. 5—Fluted Diamond	
No. 6—Fluted Heart	
No. 7—Fluted Spade	
No. 8—Fluted Club	

WAFFLE IRONS

AMERICAN



Regular Style, Extra Finished, Wire Handles.

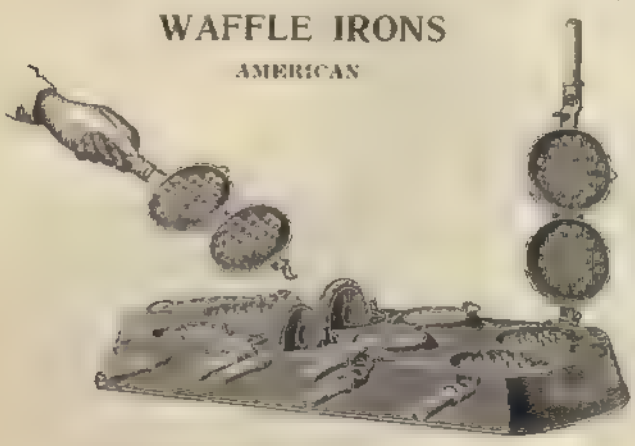
Nos.	6	7	8	9
Diam. Pan, Inches	5¾	6¾	7¾	8⅝
Diam. Bot. of Ring, In.	8	8¾	9⅞	10⅝
Wt. Per Dozen, Lbs	7	87	120	140
Per Dozen ..... $	....	....	....	....

Deep Ring, Extra Finished, Wire Handles, Specially Adapted for Gas and Vapor Stoves.

Nos.	7D	8D	9D
Diam. Pan, Inches	6¾	7¾	8⅝
Wt. Per Dozen Lbs	128	162½	208
Per Dozen	$		

WAFFLE IRONS

AMERICAN



French Pattern, Extra Finished, Wood Handles.

Nos.	7	8	9
Pair of Pans	2	3	4
Diam. Pan, Inches	4	4	4
Length Frame, Inches	14½	20	22½
Width Frame, Inches	11½	11½	11½
Wt. Per Dozen, Lbs.	200	275	380
Per Dozen ..... $	.....	.....	.....

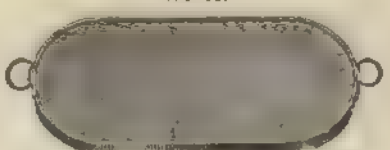
SOAPSTONE GRIDDLES

ROUND

Round, Galvanized Iron Banded.

Size, Inches	10	12	14	16
Wt Per Dozen, Lbs	82	96	132	154
Per Dozen ..... $	....	....	....	..

OVAL



Oval, Galvanized Iron Banded.

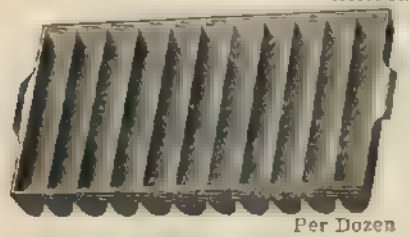
Size, Inches	8x16	9x18	10x20	11x22	12x24
Wt. Dozen, Lbs.	65	75	110	125	148
Per Dozen ..... $	....	...	.	.	. .

Soapstone Griddles are used by all progressive housekeepers. No grease, smoke, burnt cake or disagreeable odor.

EXTRA FINISH HOLLOW WARE

Extra High Grade Smooth Castings, Free from Paint, Sand Holes and Gate Marks.

BREAD PANS



Per Dozen

No. 22 — 13⅜x7⅜ in., 11 Cakes, Size of Cake 7x1⅛ in. . . . . $

Per Dozen

No. 8 12½x6⅛ in., 6 Cakes. Size of Cake 6x1¾ in....$....

GEM PANS

Per Dozen

No. 12—11x7¼ in., 11 Cakes. Size of Cake 2¼x¾ in..$....

Per Dozen

No. 9—10⅜x7 in., 12 Cakes, Size of Cake 2⅛x1 in....$....

GEM PANS

Per Dozen

No. 20—10⅝x7½ in., 11 Cakes, Size of Cake 2x¾ in. . . . . $....

Per Dozen

No. 11 [illegible] Cakes, Size of Cake 3x1⅞x⅞ in. . . . . $ . .

GEM PANS

Per Dozen

No. 10 10½x7½ in., 11 Cakes, Size of Cake 2½x1¾ in. . . . . $

GLUE POTS

Cast Iron, Double, Japanned Outside, Tinned Inside Pot.

Nos.	0000	000
Per Dozen	$.	. .
Nos.	00	0
Per Dozen....	$	. . .
Nos.	1	2
Per Dozen	$.	. . .
Nos.	3	4	5	6
Per Dozen . . .	$ . .			. .

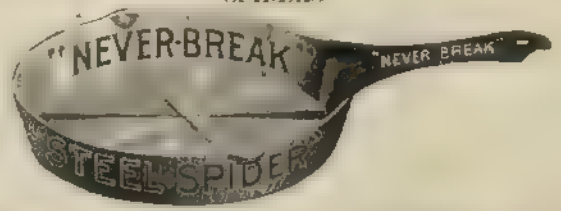
SEAMLESS STEEL HOLLOW WARE

CAKE GRIDDLES

Raised Cooking Surface Prevents Cake from Burning, Mirror Polished, with Bail.

Nos.	12	14	16
Cooking Surface Inches	12	13	14
Wt Per Dozen, Lbs.	48	56	60
Each .	$. .	. . .	.

SPIDERS



Seamless, Made from One Piece of 14 Gauge Steel, Lipped, Cold Hollow Handle, Mirror Polished.

Nos.	7	8	9	10	12
Bottom, Inches	8	9	10	11	12
Wt. Per Dozen, Lbs..	36	42	48	56	60
Each	$.			. .	.

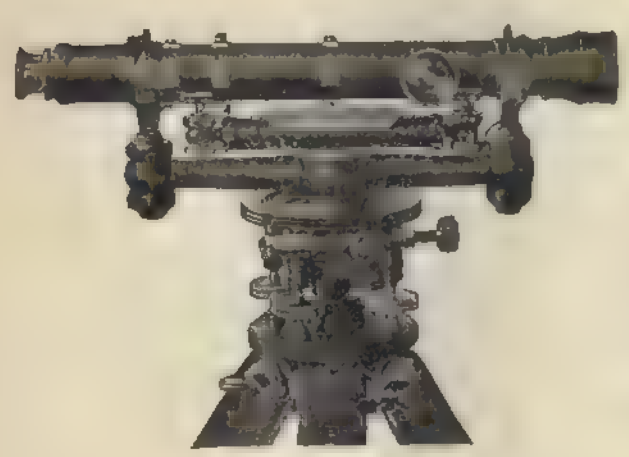
FRY PANS

NATIONAL, Polished, Cold Handle.

Nos.	00	0½	0	1	2	3	4	5	6	7
Inches	6x1⅛	7x1⅛	8x1⅜	8½x1⅜	9¼x1⅞	10x1⅞	10½x2	11x2	12x2⅛	13¼x2¼
Wt Per Dozen, Lbs.	5	8	10	13	14	15	18	20	25	30
Each	$....	....	....	....	....	....	....	....	....	....

ARCHITECTS' LEVELS

GURLEY



Each

No. 381—Gurley Architects' Level.... ....$65.00

SPECIFICATIONS

Centers—Long bronze spindle and socket.

Leveling Head—Arms strongly ribbed, with four leveling screws protected from dust. Clamp and tangent.

Bar and Wyes—Bar of bell metal, shaped for greatest strength in the parts most subject to strain. Wyes with adjustable nuts. One Wye clip, fitted with stop which maintains cross wires in true horizontal and vertical position.

Telescope—12 in. long, power about 19 diameters, aperture of objective 1.19 inches. Erecting eyepiece. Platinum cross wires. Pinion movement to objective slide. Spiral movement to eyepiece slide. Detachable sunshade and objective cap. Objects clearly visible 6.5 feet from center of instrument

Extensively used by intelligent and enterprising architects, builders and millwrights on construction and building work, as well as by engineers and surveyors in the grading of streets, sewers, irrigation ditches and drains.

BUILDERS' TRANSITS

GURLEY

Each

No. 105—5 in. Limb. 9 in. Telescope. Complete as Specified $80 00

SPECIFICATIONS

Centers—Compound

Leveling Head—Arms strongly ribbed, with four leveling screws. Clamp and tangent. Shifting center

Horizontal Limb—5 in. diameter. Strongly ribbed, depth increasing towards center. Graduated to degrees, figured in one row 0 to 90 each way, and reading by index mark at 30 degrees to line of sight. Clamp and tangent.

Plate—Strongly ribbed, depth increasing towards center. Two graduated plate levels. Flush index cover, waterproof

Telescope—9 in. long, power 18 diameters, aperture of objective 0.69 inch. Erecting eyepiece. Balanced; reverses either end; center point top. Pinion movement to objective slide. Dust guard to objective slide, detachable sunshade and cap. Clamp and tangent to telescope axis

Telescope Level—4.3 in. long, graduated on the vial

Finish Bronze; screws and small parts bright.

Equipment—Mahogany box, with hinged cover, lock and strap. Accessories of trivet plate, to enable setting the instrument upon the walls or girders of a building, when it is impossible to use a tripod; 6 oz. plain plummet, etc

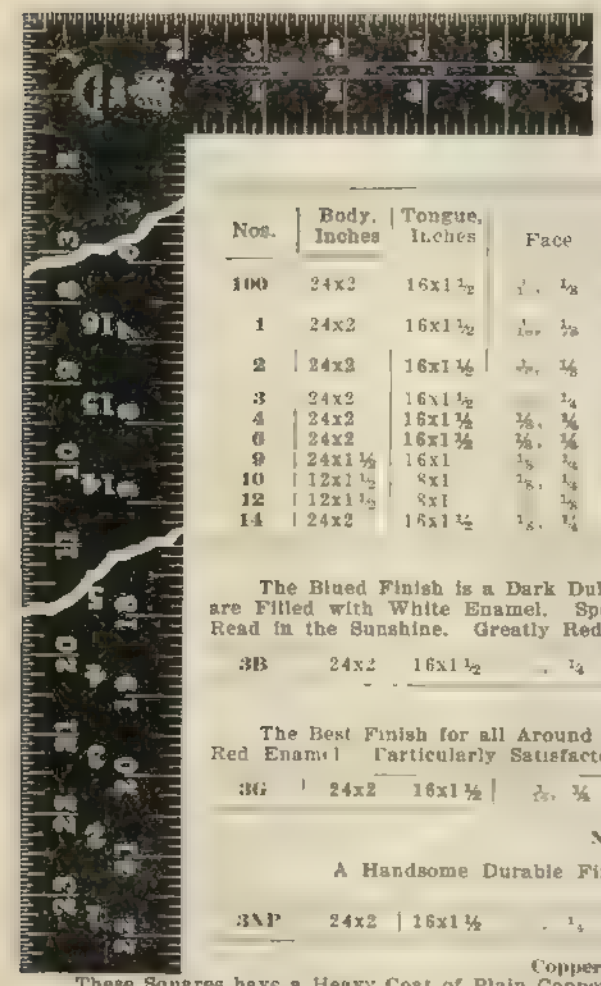
Tripod—No. 400, with solid round legs, and cap; weighs about 7 lbs.

Weight—Transit only, about 7 lbs.; transit including box and accessories, about 12 lbs.

Shipping Weight—Transit and tripod, in two boxes, for domestic shipment, about 50 lbs.; for export, about 75 lbs

STEEL SQUARES

EAGLE.



Made of a Single Piece of Special Analysis Steel, Tough, Springy and Durable

All Polished Squares are Brought to a High Finish on Fine Grade Emery Wheels. If they are Wiped with an Oily Cloth before Putting Away After Using they will not Rust and will Remain Serviceable for a Lifetime.

Full Polished.

Nos.	Body, Inches	Tongue, Inches	HOW MARKED Face	Back	Special Marking	Per Dozen
100	24x2	16x1½	1/16, 1/8	1/16, 1/12, 1/10	{Brace, 100th Scale, 8 Square and Essex's Board Measure	$21 00
1	24x2	16x1½	1/16, 1/8	1/16, 1/8	{Brace, 100th Scale, 8 Square and Essex's Board Measure	20 00
2	24x2	16x1½	1/16, 1/8	1/12, 1/4	{Brace, 8 Square and Essex's Board Measure	
3	24x2	16x1½	1/4	1/4	Brace and Essex's Board Measure	19 00
4	24x2	16x1½	1/8, 1/4	1/4	Brace and Essex's Board Measure	
6	24x2	16x1½	1/8, 1/4	1/4	Brace and Essex's Board Measure	
9	24x1½	16x1	1/8, 1/4	1/8, 1/4		
10	12x1½	8x1	1/8, 1/4	1/4, 1/4		
12	12x1½	8x1	1/8	1/4, 1/8		14 50
14	24x2	16x1½	1/8, 1/4	1/4	Essex's Board Measure	17 00

Blued.

The Blued Finish is a Dark Dull Blue Finish Similar to Gun Metal. The Figures and Marks are Filled with White Enamel. Specially Adapted for Work in Dark Places and can be Easily Read in the Sunshine. Greatly Reduces the Eye Strain.

						Net Each
3B	24x2	16x1½	1/4	1/12, 1/4	Brace and Essex's Board Measure	$3 50

Galvanized.

The Best Finish for all Around Work, being Rust Proof. Figures and Marks are Filled with Red Enamel. Particularly Satisfactory for Work on or Near Salt Water.

						Net Each
3G	24x2	16x1½	1/16, 1/8	1/12, 1/8	Brace and Essex's Board Measure	$4.00

Nickel Plated on Copper.

A Handsome Durable Finish. Not Readily Affected by Moisture or Acids

						Net Each
3NP	24x2	16x1½	1/4	1/12, 1/8	Brace and Essex's Board Measure	$3 00

Copper Plate, Plain.

These Squares have a Heavy Coat of Plain Copper, Suited for Work on or Near Salt Water. The Figures and Graduations are Filled with White Enamel, Making a Very Attractive Square

No.	Body, Inches	Tongue, Inches	HOW MARKED Face	Back	Special Marking	Per Dozen
100C	24x2	16x1½	1/16, 1/8	1/16, 1/12, 1/10	{Brace, 100th Scale, 8 Square and Essex's Board Measure	$35 00

Brace Measure—This measure is along the center of the back of the tongue. It is to give the length of a diagonal of a brace where the two sides are known

Essex's Board Measure—These are lines on the back of the long arm of the square and are intended to give number of square feet in a board, plank or scantling.

"8 Square" Scale—This scale is along the middle face of the tongue and is used for laying off lines to cut an "8 Square" or octagon stick of timber from a square one

100th Scale—For convenient use a scale 100th inch is placed near these tables upon the back of the square

Full Directions Packed with Each Square. Weight Per Dozen 30 Pounds

One-quarter Dozen in a Box

IRON SQUARES

Polished, Not Tapered.

Nos.	Body, Inches	Tongue, Inches	HOW MARKED Face	Back	Special Marking	Per Dozen
1	24x1⅛	12x1	1/8		Marked One Side	$ 9.50
2	24x1⅛	12x1	1/8	1/8	Marked Two Sides	11.00
4	24x2	12x1⅛	1/8	1/8	Marked Two Sides	12 50

Average Weight Per Dozen 14 Pounds

One-half Dozen in a Box.

RAZORS.

HIBBARD, SPENCER, BARTLETT & CO.'S WARRANTED.

No. 335—Graves, 5/8 in. blade, full hollow Hamburg ground, crocus polished, file tang, rubber handle,
per dozen .....**ABJJ** $20.00

No. 965—America, 5/8 in. blade, square point, extra hollow Hamburg ground, double file tang, etched in gold, oval rubber handle, per doz. **ADDJ** $24.00

No. 1624—Yankee, 1/2 in. blade, square point, Hamburg hollow ground, double file tang, oval rubber handle, per dozen .....**ADDJ** $24.00

No. 365—Improved Rattler, 5/8 in. blade, square point, extra hollow Hamburg ground, file tang, oval rubber handle,
per dozen .....**ACBJ** $22.00

No. 1145—Barber's A1, 5/8 in. blade square point, extra hollow Hamburg ground, flat rubber handle,
per dozen .....**ADDJ** $24.00

No. 1645—Antiseptic, 5/8 in. blade, square point, Hamburg hollow ground, oval rubber handle with German silver tops.....per dozen **ADDJ** $24.00

No. 505—Solid Comfort, 5/8 in. blade, full hollow Hamburg ground, crocus polished, etched in gold, file tang, rubber handle..per doz. **ACHJ** $23.00

No. 1155—H. S. B. & Co., 5/8 in. blade, square point, extra hollow Hamburg ground, crocus polished, file tang, white handle German silver lined,
per dozen .....**ADDJ** $24.00

No. 1845—Blue Steel, 5/8 in. blade, square point, Hamburg hollow ground, crocus polished, flat rubber handle, double file tang, per dozen **ADDJ** $24.00

No. 25—Luxury, 5/8 in. blade, hollow point, extra hollow Hamburg ground, file tang, flat ivoride handle,
per dozen .....**ADDJ** $24.00

No. 1165—H. S. B. & Co., 5/8 in. blade, hollow point, extra hollow Hamburg ground, crocus polished, etched, file tang, fancy ivoride handle,
per dozen .....**ADDJ** $24.00

"OUR DAISY," Full Hollow Hamburg Ground, Etched in Gold, Double File Tang, Oval Rubber Shaped Handle.

No 444-R—1/2 in. blade, round point, per dozen .....**AHJJ** $30.00
No 445-R 5/8 in. blade, round point, per dozen .....**AHJJ** $30.00
No 445-S—5/8 in. blade, square point, per dozen .....**AHJJ** $30.00

No. 575—Mohican, 5/8 in. blade, square point, extra hollow Hamburg ground, crocus polished, double file tang, fancy ivoride handle,
per dozen .. . .. **ADDJ** $24.00

No. 1325—Hindoo, 5/8 in. blade, square point, extra hollow Hamburg ground, file tang, fancy celluloid handle,
per dozen .....**ADDJ** $24.00

"OUR MASCOTTE," Square Point, Full Hollow Hamburg Ground, File Tang, Oval Rubber Handle.

No 794 1/2 in. blade,
per dozen . . **AHJJ** $30.00
No 795—5/8 in. blade,
per dozen . . . . **AHJJ** 30.00
No 796 - in. blade,
per dozen . . .. **AHJJ** 30.00

No. 585—Mohican, 5/8 in. blade, round point, extra hollow Hamburg ground, crocus polished, double file tang, fancy ivoride handle,
per dozen .....**ADDJ** $24.00

ONE-HALF DOZEN IN A BOX.

No. 1335—U. S. A., 5/8 in. blade, square point, full hollow Hamburg ground, crocus polished, double file tang, oval mock shell handle,
per dozen .....**ADDJ** $24.00

ONE-HALF DOZEN IN A BOX.

RAZORS.

H. S. B. & CO.'S WARRANTED.

No. 805.

HIBBARD, ⅝ Inch Blade, Full Hollow Hamburg Ground, File Tang, Oval Rubber Handle.

No. 805—Square point, per dozen .....**AHJJ** $30.00
No. 815—Round point, per dozen .....**AHJJ** $30.00

No. 455—Golden Rod, ⅝ in. blade, hollow point, full hollow Hamburg ground, etched in gold, fancy rubber handle, long file tang, per dozen .....**AIHJ** $33.00

No. 555-S—Mayflower, ⅝ in. square point blade, fancy back, full hollow Hamburg ground, crocus polished, etched in gold, double file tang, ivoride handle, with metal decoration, per dozen .....**BJDJ** $34.00

No. 915—⅝ in. blade, hollow point, full hollow ground, crocus polished, etched in gold, oval rubber handle, ivory tang ..... per dozen **BAFJ** $36.00

No. 1355—⅜ in. blade, hollow point, full hollow Hamburg ground, crocus polished, fancy mock shell handle, hollow point, ivory tang, per dozen .....**BAFJ** $36.00

No. 1825—⅝ in. blade, square point, Hamburg full hollow ground, crocus polished, improved pearl tang, flat rubber handle, per doz. **BAFJ** $36.00

ONE-HALF DOZEN IN A BOX.

H. S. B. & CO.'S WARRANTED.

No. 1815-S—⅝ in. blade, square point, Hamburg full hollow ground, crocus polished, improved pearl tang, white ivoride handle, per doz. **BBHJ** $38.00
No. 1815-R—⅝ in. blade, round point, otherwise same as No. 1815-S, per dozen .....**BBHJ** $38.00

No. 1835—⅝ in. blade, square point, Hamburg full hollow ground, crocus polished, improved ivory, double file, tang, fancy carved rubber handle, per dozen .....**BCDJ** $39.00

No. 55—Farragut, ⅝ in. blade, square point, full hollow Hamburg ground, crocus polished, file tang, etched in gold, flat ivory handle, per dozen .....**BEBJ** $42.00

WADE AND BUTCHER'S.

No. 3850—⅝ in. heavy blade, etched, hollow ground, hollow point, rubber handle.....per dozen **JGHJ** $13.00

No. 2044—"Special" ⅝ in. blade, full crocus polished, full hollow ground, round point, double file tang, ivory celluloid handle, blue printing, per dozen .....**BEBJ** $42.00

ONE-HALF DOZEN IN A BOX.

GEO. WOSTENHOLM & SON'S IXL.

No. 126—"Pipe" ½ in. blade, square point medium hollow ground, oval rubber handle, per doz. **JGBJ** $12.00

No. 127—⅝ in. blade, full hollow ground, oval rubber handle, per dozen .....**ACHJ** $23.00

No. 129—"Pipe" ⅝ in. blade, square point, hollow ground, etched in gold, oval rubber handle, per dozen .....**ACHJ** $23.00

ROXO RAZORS.

Made in Sheffield, England.

No. 40—½ in. blade, square point, hollow ground, flat rubber handle, per dozen .....**AHJJ** $30.00
No. 50—⅝ in. blade, square point, hollow ground, flat rubber handle, per dozen .....**AHJJ** $30.00
No. 60—⅝ in. blade, square point, hollow ground, flat rubber handle, per dozen .....**AHJJ** $30.00

Made in Sheffield, England.

No. 040—½ in. blade, round point, hollow ground, flat rubber handle, per dozen .....**AHJJ** $30.00
No. 050—⅝ in. blade, round point, hollow ground, flat rubber handle, per dozen .....**AHJJ** $30.00

The Roxo is a first-class special barber's razor and is well and favorably known to the trade. We are sole U. S. and Canadian agents for the above goods. Special prices in gross lots.

ONE-HALF DOZEN IN A BOX.

FRUIT AND VEGETABLE SLICERS

HANDY

Per Dozen

No. 3-S—One Knife, Bright Tin, 2½ in. Wide, Hardwood Frame, Weight Per Dozen About 5 Lbs. . . $. . . .

It slices all kinds of fruit and vegetables in flat sections of perfectly uniform thickness. Solid and substantially made.

One Dozen in a Carton.

IMPROVED HANDY

Per Dozen

No. 6—One Knife, Corrugated Cold Rolled Steel, 4 in. Wide, Hardwood Frame, Steel Sliding Guard. Weight Per Dozen 11 Lbs. . . . . $. . .

It slices all kinds of fruit and vegetables in an infinite variety of attractive designs, making plain flutings, perforated flutings, shoestring potatoes, etc.

One Dozen in a Carton

SLAW CUTTERS

Per Dozen

No. 40A—One Adjustable Best Steel Knife, 6⅝x16⅛ in. Best Quality White Hard Maple Frame, Heavy Construction, Weight Per Dozen 32 Lbs. . . . . $. . . .

Per Dozen

No. 45A—Two Adjustable Best Steel Knives, 7x18 in. Best Quality White Hard Maple Frame, Heavy Construction, Weight Per Dozen 39 Lbs. $. . . .

One Dozen in a Crate

KRAUT CUTTERS

Extra Quality Sugar Maple Frame and Sliding Box, Finished in the White, Adjustable Tempered Steel Knives, Red Enameled with Polished Cutting Edges.

Nos.	50T	55T	60T	65T	70T
Number of Knives	2	3	4	3	3
Size, Inches	9x26	9x26	9x26	11x30	13½x36
Weight Per Dozen, Lbs	100	100	100	160	250
Per Dozen	$.	. . . . .	. . . . .	. . . .	. .

One half Dozen in a Crate

DISH WASHERS

WHIRLPOOL SANITARY

White Enameled Heavy Tin Body, Black Enameled Heavy Stamped Steel Legs, Jointed Wood Handle.

Each

Whirlpool Sanitary—31¼ in. High Over All, 18 in. in Diameter, Holds 40 to 55 Dishes, the Average Number of Pieces Used in Families of 6 to 8 People, Weight Each Complete 22½ Lbs. . . . . $. . .

The dishes are first placed in the wire rack, the perforated cover put on, then the water poured in which falls over the dishes with a raining effect loosening the grease and dirt, and greatly shortening the time required to clean them.

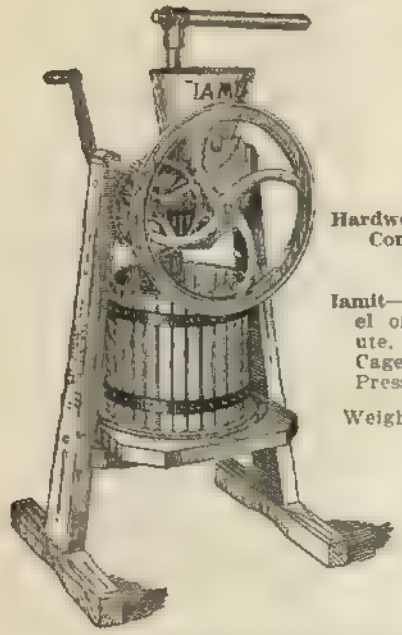
Hot, soapy water is required and not more than eight quarts should be used. The operator's hands never touch the water, which permits the use of water of the highest temperature and soap of strong grease cutting character, with absolute protection against injury to hands or complexion. Moving the handle forward and backward revolves the propeller in the bottom, which dashes the water with a swirling effect around, through and over all the dishes, cleansing them perfectly on all sides.

Perfect sterilization, so necessary to prevent infection, is impossible when the dish pan is used. The **Whirlpool**, however, which permits the use of scalding water perfectly sterilizes all dishes and removes every danger of contagion.

One in a Wooden Box

CIDER MILLS

IAMIT



Hardwood Frame, Strongly Constructed, Natural Wood Finish.

Each

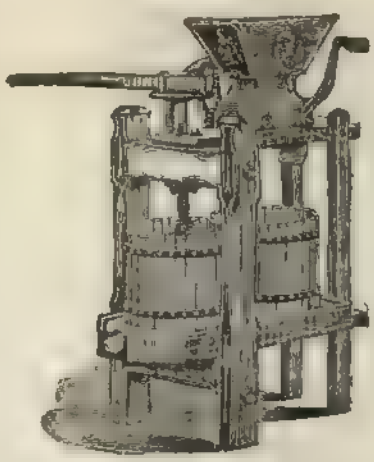
Iamit—Capacity ½ Bushel of Apples Per Minute. 12¼x13¾ in. Cage, 24x1¼ in. Steel Press Screw..... $.. .

Weight Each 138 Pounds.

The Iamit is a Geared Cylinder Mill, cutting and scraping apples very rapidly, and being made with adjustable concave, the cutting and scraping can be done as desired—either coarse or fine.

In from five to eight minutes a peck or more of apples can be gathered and from one to two gallons of cider made. It is a self-feed—you need not poke apples to the grinding disc. Every owner of one or more apple trees should have one.

MEDIUM



Hardwood Frame, Securely Bolted, Attractively Finished.

Each

Medium—Capacity 4 to 6 Barrels of Cider Per Day, Two 12x12¼ in. Cages, 22x1¼ in. Steel Press Screw, Weight Each 240 Lbs.....$.. .

The Medium Cider Mill is a good size for family use. It is built with iron beam and heavy gearing and is perfectly adjustable for all kinds of fruit.

It is a well known fact that hand mills produce a better quality of cider than power mills.

BARREL HEADERS OR FRUIT PRESSES

CLIMAX LEVER

Per Dozen

No. 6—One Piece Steel Side Clamps, Steel Lever, Wt. Per Dozen 180 Lbs.....$.....

The Side Clamps are of one piece, there being no joints to bind. It stands upright and can be operated from either side of barrel. The sides are adjustable to different lengths of barrels, and its movement is quick and powerful.

IRON SCREW

Per Dozen

No. 1—1 in. Iron Screw, Wood Handle, Steel Side Clamps, Weight Per Dozen 170 Lbs.....$.....

This press has the follower attached to the screw.. The follower attached thus can revolve, and is taken up with the screw after the barrel is headed. The side clamps are of steel and are fastened with two bolts.

BARREL SWINGS

SARGENT

Per Dozen Sets

No. 13—Iron, Japanned, for Barrels of Any Size, Can be Used in Any Space, Weight Per Dozen Sets 40 Lbs. . . . . $.

For swinging barrels of any size under counter or shelves of any height.

Barrels can be swung out without physical exertion, as a touch of the hand will move it.

HAND CARS

WITH STEEL FRAMES

Steel frame, well reinforced at all points subject to any strain. Frame enameled black

Gear drive construction; absolutely no dead centers

Wheels enameled red and fitted with ⅜ inch rubber tires

Handle fitted with black enameled grips, with brass ferrules

Seat board is perfectly smooth, no heads of bolts protruding above surface. Seat is attached to frame by screws fastened to seats. Finish of seat is red, with gold striping

No.	Front Wheels Inches	Rear Wheels Inches	Length Over All Inches	Size of Seat Inches	Shipping Weight Pounds	Each
119	8	12	36	16½ x 9	30	$7.00
116	7	9	28½	12 x 7	21	5.50

Packed one in crate

No. 119 (Full Size)
No. 116 (Junior Size)

WITH WOOD FRAMES

Frame and handle are made from perfect hardwood, entirely free from knots, finished in red and striped in gold and black

Seat board made of hardwood, natural finish and very neatly striped and decorated

Gear drive construction. Gear wheels are covered in rear to prevent injury to child's fingers.

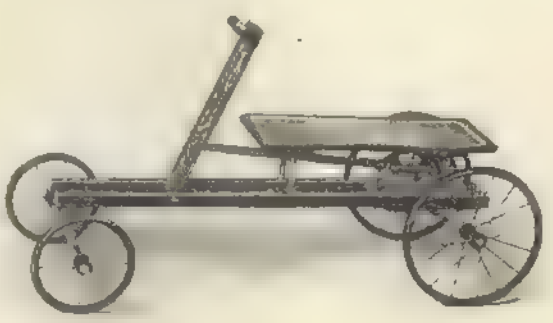
Wheels are enameled black and fitted with ½ inch rubber tires

Seatboard is so attached to frame that no screw or bolt heads are visible. This adds much to the finish of the car

Note—No. 121 is fitted with coasting attachment, controlled by a lever attached to side of frame. It is a very desirable feature, and adds much to the pleasure of hand car riding, especially on down grades

No.	Front Wheels Inches	Rear Wheels Inches	Length Over All Inches	Size of Seat Inches	Shipping Weight Pounds	Each
121	8	12	41	20 x 9	34	$11.00

Packed one in crate



No. 121 (Full Size with Coaster Attachment)

BALL BEARING HAND CARS

Ball bearing throughout and exceptionally easy running.

Frame and trucks are made from selected hardwood, finished in dark maroon with silver striping.

Seat board made from hardwood, natural finish, with neat design in center. Is attached to frame from bottom so finish is not marred by screws or bolts going through top.

Wheels are made up with nickel-plated hubs, nickel plated bent spokes, rims enameled in maroon and striped in silver. Wheels ball bearing and fitted with ⅜ inch rubber tires.

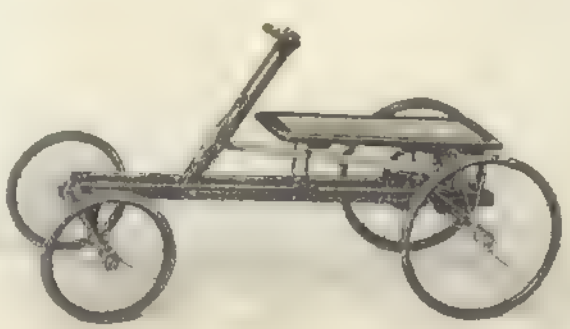
Gear drive and very easy running; gears are covered in rear to prevent injury to youngster's fingers.

Spokes, hubs, bolts, propelling rod, nuts, etc., heavily nickel plated.

No. 214 is made with steering column of steel tubing, to which is fitted an auto steering wheel with wood rim. It is also fitted with coaster attachment controlled by lever attached to side of frame. This is an admirable feature, and adds much to the youngster's pleasure.

No.	Front Wheels Inches	Rear Wheels Inches	Length Over All Inches	Size of Seat Inches	Shipping Weight Pounds	Each
214	10	14	42	20 x 9	49	$22.50

Packed one in crate



No. 214 (With Steering Wheel and Coaster Attachment)

SIDEWALK SULKIES

No. 124

Handle made of selected hardwood, natural finish, fitted with loop hand grip. Note from illustration that handle breaks and folds back, which permits of the cart being stored in small space when not in use. Handle extends out far enough in back to prevent cart from tipping over. Fitted with adjustable foot rest.

Seat is very roomy, is finished in red, striped in gold and fitted with high railing enameled black.

Gears are light and very strongly constructed.

Wheels are 10 inches in diameter, fitted with ⅜ inch rubber tires, and finished in black enamel. Weight 8½ pounds.

No. 124 Each **$2.25**

No. 123, Reversible Back

Handle made of selected hardwood, natural finish.

Has reversible back, adjustable footrests front and rear and anti-tip rear extension.

Gears are made very strong and as light as consistent with required strength. Finished in black enamel.

Wheels are 10 inches in diameter, fitted with ⅜ inch rubber tires and enameled black.

Seat is roomy, with high side rails. Finished in rich red, striped in gold. Weight 10½ pounds.

No. 123 Each **$2.50**

No. 125

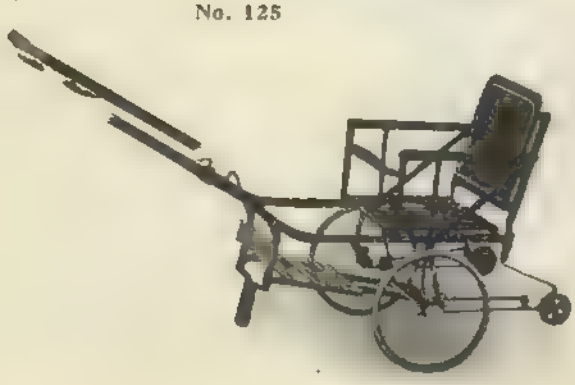
Body made with wooden bottom, sheet steel sides, very roomy and much more comfortable to ride in than body with steel railing. Enameled in rich red with gold striping.

"Ledig-Line" patent handle construction, breaks in center and folds back, taking up much less space than sulkies with one piece handle. Made from perfect hardwood, natural finish, and fitted with loop handhold, enameled black. Handle extends out quite far in rear to prevent tipping over backward. Fitted with black enameled, adjustable foot rest.

Wheels 10 inches diameter, enameled black, and fitted with ⅜ inch rubber tires.

Gears are strongly constructed and finished in black enamel. Weight 6½ pounds.

No. 125 Each **$2.50**



No. 147, Full Collapsible

Flat steel frame 21½ x 14 inches, black enameled.

Wheels 10 inches diameter, enameled black, ⅜ inch rubber tires.

Seat and back enameled green, gold striped and stenciled.

Adjustable, folding handle, three positions for varying arm lengths.

Safety strap, nickel plated hub caps. Weight 18 pounds.

No. 147 Each **$7.50**

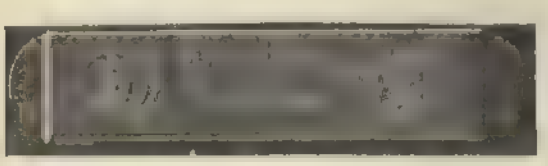
HARMONICAS

PRICES PER DOZEN

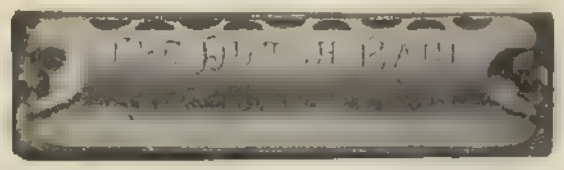
No. 9502

No. 9501 Little Diamond. 8 single holes, zinc reed plate, nickel covers. In pasteboard boxes. Per doz.....$0.85
No. 9502 Improved Pipe Organ. 10 single holes, 8 reeds, white metal reed plate, nickel covers. Per doz.....$1.20

No. 9503 Princess Harp. 12 single holes, 10 reeds, white metal reed plate, fancy nickel covers. Per doz.....$1.30



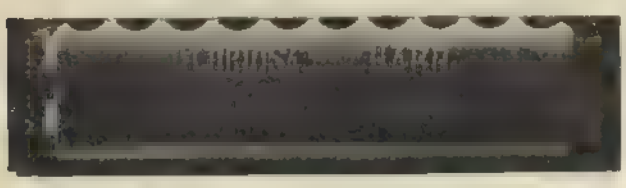
No. 9504 The Boss Richter. 10 single holes, 20 reeds, white metal reed plates, nickel covers, assorted keys. Per doz..$1.75



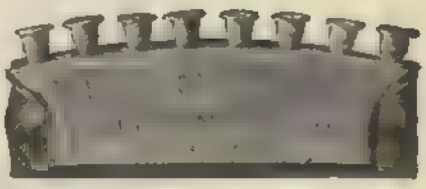
No. 9505 The Dutch Band Harp. 10 single holes, 20 reeds, white metal reed plate, nickel curved cover, assorted keys. Per doz. $2.25

No. 9506 The Pocket Harmonica. Miniature. 3⅛ inches long, 10 single holes, 20 reeds, nickel cover, superior quality, assorted keys. Per doz.....$2.40

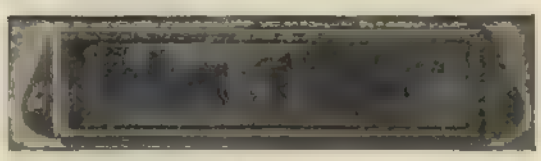
No. 9507 The Marvelous. 10 single holes, 20 reeds, brass reed plates, nickel covers, assorted keys. Per doz.....$2.25



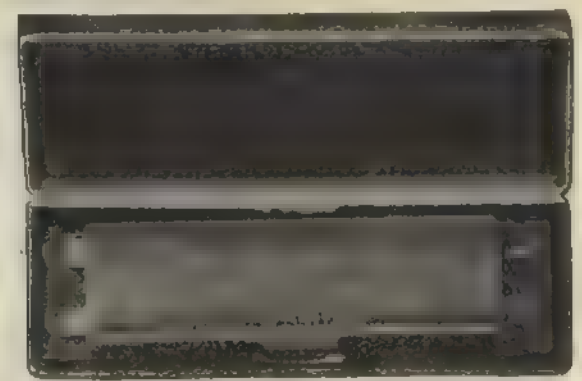
No. 9508 Gloriosa Harp. Length 4½ inches. 14 double holes, 14 reeds, brass plates, nickel covers. Per doz.....$2.70



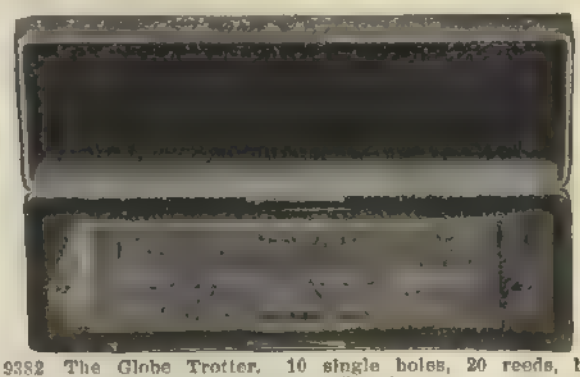
No. 9509 The Meteor. Length 3¼ inches. 10 single holes, 20 reeds, nickeled reed plates, nickel covers and small bugles. Per doz.....$3.15



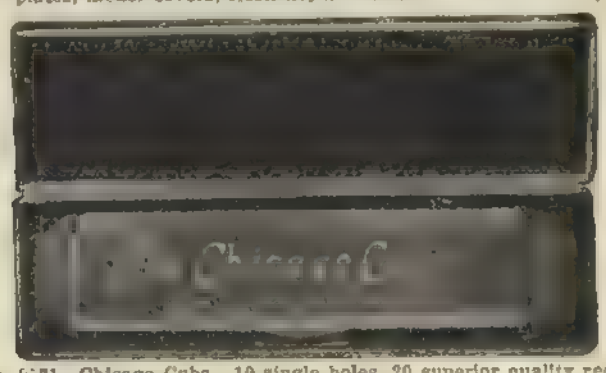
No. 9510 The Extra Fine. 10 single holes, 20 reeds, with nickeled plates, covers lithographed in colors. Per doz.....$3.15



No. 9386 The Navy Harp. 10 single holes, 20 reeds, brass plates, heavy convex brass covers, open back, nickel plated steel bronze reeds, Asst. keys. Per doz.....$5.65



No. 9382 The Globe Trotter. 10 single holes, 20 reeds, brass plates, nickel covers, Asst. keys. Per doz.....$5.15



No. 9321 Chicago Cubs. 10 single holes, 20 superior quality reeds, brass plates, substantial nickel covers, assorted keys. In hinged case. Per doz.....$4.90

We purchased from the Manufacturers gross quantities of Harmonicas, which we quote in one dozen lots at the gross price, thus offering the above at lowest possible prices. These goods should be in your stock. **sell fast.** Order one dozen now and more later.

Highest Grade Harmonicas and Jews Harps

FOUR-IN-ONE TREMOLO CONCERT.

16 Double Holes on each Side, 128 Reeds, Brass Plates, Nickel Covers, in Four Keys, Length 8½ inches

No. 9532.....Each $3.15

16 Double Holes on each Side 64 Reeds, Nickel Covers, Tremolo Tuning

No. 9528.....Each $1.00

No. 9529.

16 Double Holes on each Side, 64 Reeds, Brass Plates, Nickel Covers, Tremolo Tuning, Length 7¼ inches.

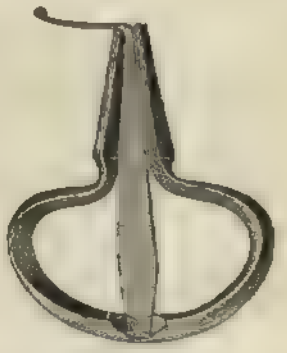
No. 9529.....Each $1.20

20 Double Holes on each Side, 80 Reeds, Brass Plates, Nickel Covers, Tremolo Tuning Length 8¼ inches

No. 9530.....Each $1.50

Same as No. 9530, but 24 Double Holes on each Side, 96 Reeds. Length 9¼ inches.

No. 9531.....Each $1.80



No. 5 5

JEWS HARPS.

Illustrations show about 2/3 actual size.

No.		Per Doz.
95	Common 2¼ inch Iron Frames.	$.50
97	Common 2½ inch Iron Frames..	.75
99	Common 3 inch Iron Frames..	.85
971	2-inch Heavy Brass Frames, File finished	.95
972	2¼-inch Heavy Brass Frames, File finished	1.10
973	2½-inch Heavy Brass Frames, File finished	1.20
974	2¾-inch Heavy Brass Frames File finished	1.50
911	Smith's 2-inch Iron Frames, Tinned, Brass-Tip'd Tongues	2.30
912	Smith's 2½-inch Iron Frames, Tinned, White Metal Tipped Tongues	3.30
913	Smith's 2¾ inch Iron Frames Tinned, White Metal Tipped Tongues	4.00
914	Smith's 3-inch Iron Frames Tinned, White Metal Tipped Tongues	4.80

BULL-DOG BELL HARP.

10 Double Holes, 20 Reeds, Brass Reed Plates, Nickel Covers, Bells and Trimmings.

No. 9524.....Each $0.90

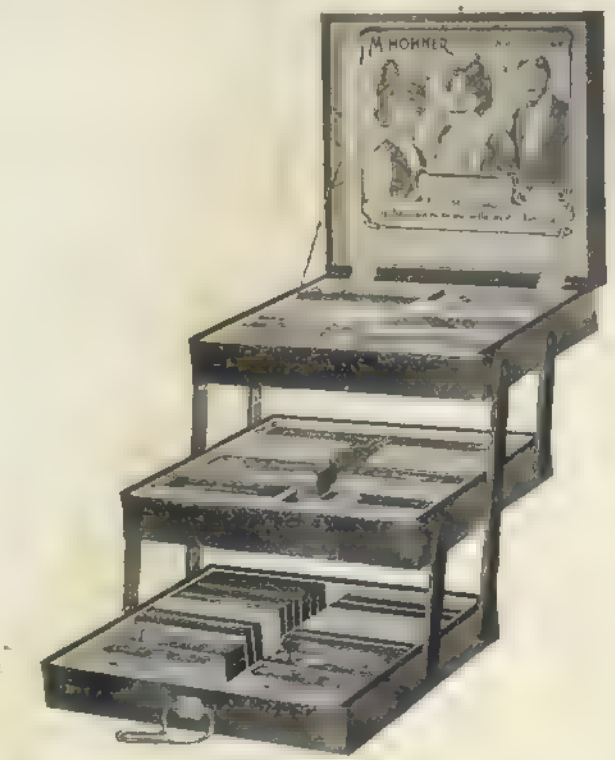
HARMONICAS

REVOLVING DISPLAY

*Revolving Display Stand ... by clock work, with 36 Hohner Harmonicas assorted as follows: 12 at 25c, 8 at 35c, 8 at 50c, 4 at 75c, and 4 at $1.00 each, weight 28 pounds.

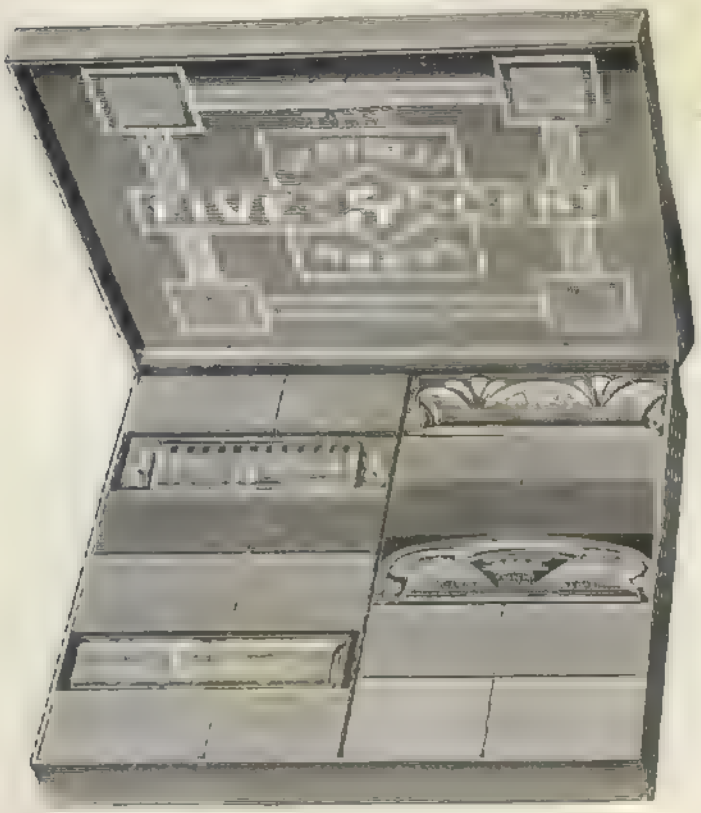
*No. 600 Display Stand complete with 36 harmonicas..$30.00

FOLDING DISPLAY



Folding Display Cabinet with 38 harmonicas assorted as follows: 16 at 25c, 12 at 35c and 10 at 50c each, weight about 12 pounds.

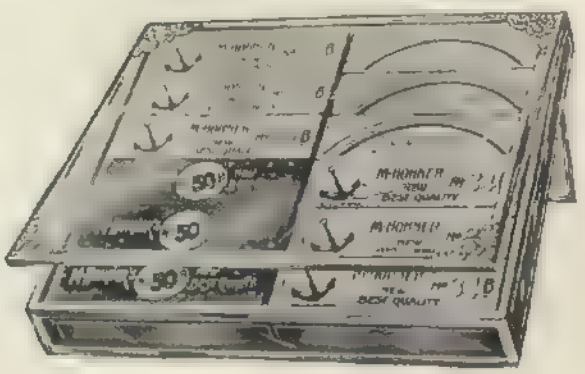
No. 400 Stand with 36 harmonicas.....$20.00



No. 105 ... in hinge cover display case, containing 12 ... harmonicas to retail at .05, weight about ... pounds, per case ... $0 90

*Not carried in stock; can be shipped promptly from factory

CRYSTAL ASSORTMENT



No. 725 assortment in glass covered display cabinet containing 12 Hohner Harmonicas in all ..., to retail at 25c, weight about 4½ pounds, per case..... $4.50

HARMONICAS

No. 34B 10 single holes, 20 reeds, brass plates, nickel covers, weight per dozen 21 pounds per dozen **$4.50**

No. 50B 10 double holes, 20 reeds, brass plates, nickel covers, weight per dozen 24 pounds per dozen **$4.50**

No. 3CND40 10 double holes, 4 reeds, brass plates, nickel covers, full tuned, in hinged box, weight per dozen 3½ pounds, per dozen **$9.00**

No. 1896 10 single holes, 20 reeds, brass plates, nickel covers, open back, in hinged box, weight per dozen 2¾ pounds, per dozen **$5.00**

SOUSA'S BAND

No. 500 10 single holes, 20 reeds, brass plates, convex covers, nickel plated, in pasteboard box, weight per dozen 35 ounces, per dozen **$4.00**

No. 203 10 single holes, 20 reeds, nickel covers, weight per dozen 21 ounces, per dozen **$1.50**

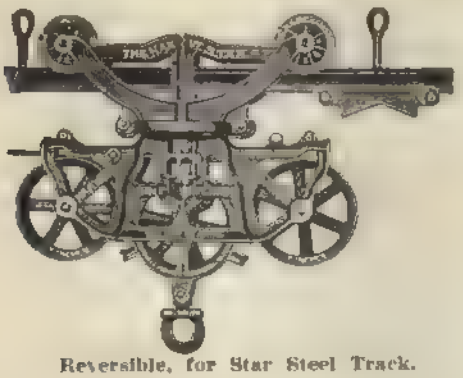
No. 201 10 holes, single, 20 reeds, nickel covers, weight per dozen 22 ounces, per dozen **$1.50**

No. 14 12 holes, single, 10 reeds, nickel covers, weight per dozen 14 ounces, per dozen **$0.80**

One dozen in a package

HAY CARRIERS

HARVESTER



Reversible, for Star Steel Track.

Each

No. 493—Best Grade Malleable Iron Frame, Fully Reinforced, Aluminum Finish, Trimmed in Red, 13½ in. Wheel Base from Center to Center, Roller Bearing $9.00

Best gray iron tracker wheels, 3 in. in diameter at the tread, hub drilled to take special steel axle

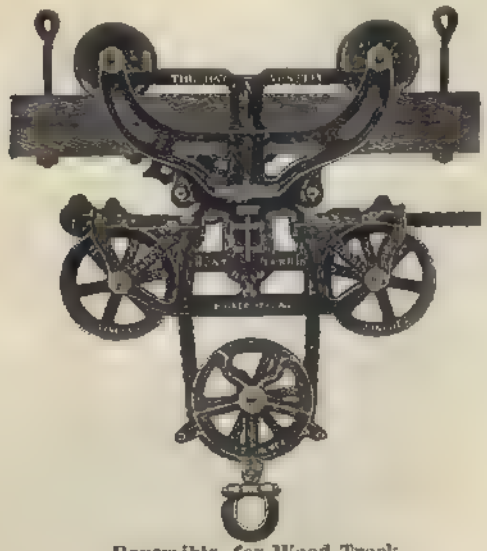
Lathe turned steel axle, 7 in. diameter best gray iron sheaves drilled to take steel axle. Three larger sheaves are grooved for ⅝ or ⅞ in. rope or for ⅝ in. wire cable, as desired. Eleven ¼ in. steel roller sheaves bearings, revolving on ⅝ in. steel shoulder pin.

Improved fork pulley, fitted with 7 in. roller bearing.

Sheave and sister hook constructed of two malleable iron castings, swiveling on steel bolt.

Improved gravity lock. Best malleable iron trip block with a depression in the under side bolting over a rivet head on the track, making it impossible to loosen.

Weight Each 48 Pounds.



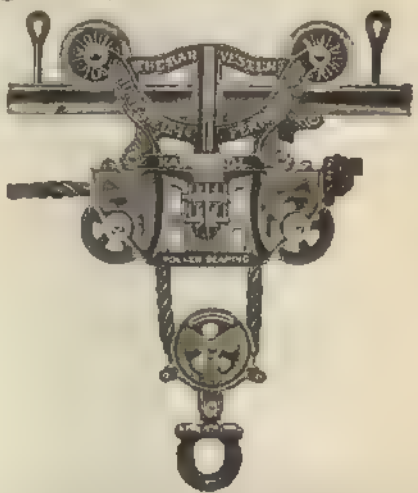
Reversible, for Wood Track.

Each

No. 494 Best Grade Malleable Iron Frame, Fully Reinforced, Aluminum Finish, Trimmed in Red, 15¾ in. Wheel Base from Center to Center, Roller Bearing $9.00

Best gray iron tracker wheels, 4 in. diameter at tread, with wide flanges and hub drilled to take steel axle, otherwise same detail description as No. 493.

Weight Each 53 Pounds.



Reversible, for Star Steel Track.

Each

No. 502—Best Grade Malleable Iron Frame, Fully Reinforced Aluminum Finish, Trimmed in Red, 11½ in. Wheel Base from Center to Center, Ball Bearing $7.50

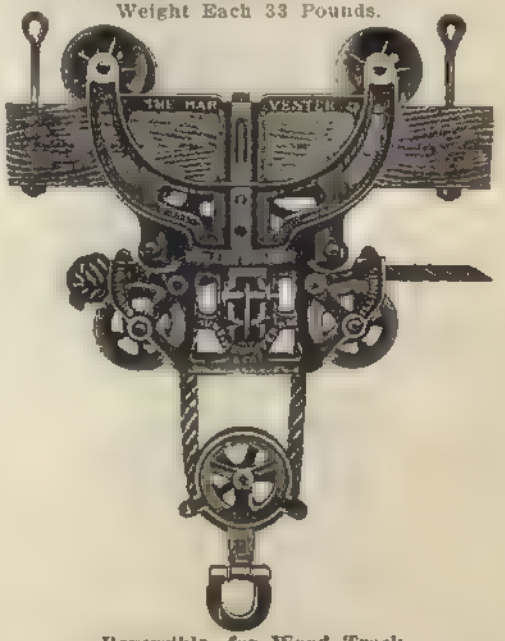
No. 502PB—Plain Bearing, Otherwise Same as No. 502 ..... 7.00

Best gray iron tracker wheels, 3 in. diameter at tread, wide flange hub, drilled to take steel axle. Lathe turned steel axle, 4 in. diameter best gray iron sheaves drilled to take steel axle. Grooved for ⅝ or ⅞ in. rope. Eleven ¼ in. steel roller sheave bearings revolving on ⅝ in. steel sholder pin.

Improved fork pulley with sister hook constructed of two malleable castings swiveling on steel bolt.

Improved gravity lock. Best malleable iron trip block, with a depression in the under side bolting over a rivet head on the track, making it impossible to loosen

Weight Each 33 Pounds.



Reversible, for Wood Track.

Each

No. 503—Best Grade Malleable Iron Frame, Fully Reinforced, Aluminum Finish, Trimmed in Red, 12 in. Wheel Base from Center to Center, Roller Bearing $7.50

No. 503PB—Plain Bearing, Otherwise Same as No. 503 ..... 7.00

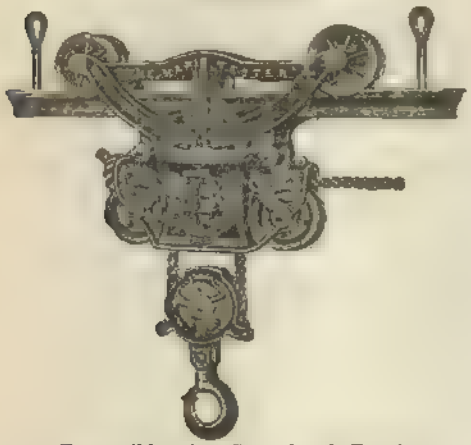
Same detail description as No. 502.

Weight Each 37 Pounds.

Note—Sling Pulleys May be Used in Place of Fork Pulleys, Allowing the Use of Slings.

HAY CARRIERS

HARVESTER



Reversible, for Star Steel Track.

Each

No. 564—Best Grade Malleable Iron Frame, Fully Reinforced, Aluminum Finish, Trimmed in Red, 16½ in. Wheel Base from Center to Center, Roller Bearing $8 50

No. 564PB—Plain Bearing, Otherwise Same as No. 564 . . . . . 8.00

Best gray iron tracker wheels, 3 in. diameter, with hub drilled to take special steel axle.

4 in. best gray iron sheaves, with eleven ¼ in. roller bearings, revolving on ⅝ in. steel shoulder pin.

Latest design fork pulley, mounted in heavy frame, fully reinforced with sister hook construction of two malleable iron castings, swiveling on steel bolt.

Improved gravity lock. Best malleable iron trip block, with a depression on the under side bolting over a rivet on the track, making it impossible to loosen

Weight Each 38 Pounds.

HAY FORKS

HARRIS PATTERN DOUBLE HARPOON

Cut Shows Position of Fork when Loaded

Short Head.

Each

No. 313—Steel, 18 in. Wide, Length of Tines from Cross Brace to Points 25 in. $1.60

Weight Each 16 Pounds.

HAY FORKS

DOUBLE HARPOON

Cut Shows Position of Fork when Unloaded

Extra Long Head.

Each

No. 97—Steel, 18 in. Wide, Length of Tines from Cross Brace to Points 31 in. $2 00

Weight Each 18 Pounds.

GRAPPLE

Cut Shows Position of Fork when Loaded.

With Center Tine.

Each

No. 99—4 Tine, Best Quality Spring Steel, Nicely Finished, Simple and Sure Grip. $8.00

Weight Each 38 Pounds.

CROCKERY & SEMI-PORCELAIN

Including a big new showing of ENGLISH dinnerware patterns. Let this book be

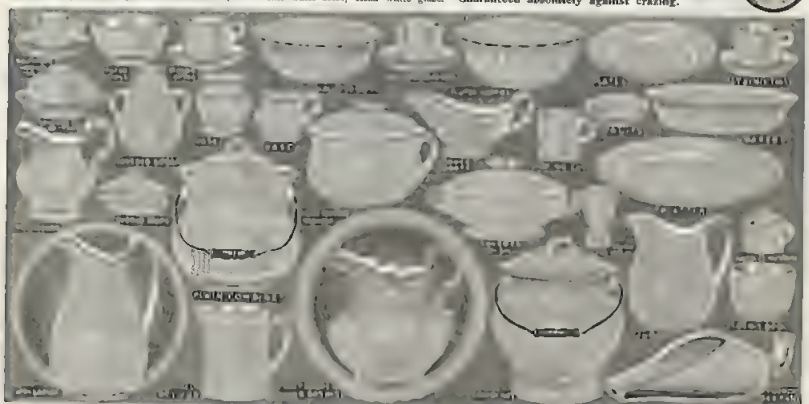
You'll turn your investment oftener and make a great deal more money.

NO OVERSTOCKING—You can buy from us in quantities to suit your immediate needs—no overbuying simply to get a price.

NO PACKAGE CHARGE—We make no charge for packing. You are the prices you pay f. o. b. our distributing city.

"PERFECTION" HOMER LAUGHLIN'S CABLE WHITE (STOCK)

It is impossible to make better white granite ware than our "Perfection" line. Made by one of the largest and best known potters in the country a fine, high grade strictly semi-vitreous ware, clear bone white color, clean white glaze. **Guaranteed absolutely against crazing.**



St. Denis Teas — Regular coffee, so called tea, 11 oz. Doz.
E1204—Saucer only..... 34

St. Denis Coffees — Extra large handled, 13 oz. Doz.
E1210—Cup & saucer . $0 92
E1211—Cup only
E1212—Saucer only.

House Cups and Saucers—
E1203—Cup only..... 34

Baltimore Cups and Saucers— Doz.
E1215 Bfd. teas. 84
E1217 — Tea saucer only 34
E1241—30's " 5 " 84
E1240—24 o. " 5 " 84

Oyster Bowls—
E1245—33's, ac
E1240—30's, "

Plates— Doz.
E1220—4 in. act. 6¾.. $0 34
E1227—Deep 7 in., act. 92
E1233—7 in. ass. cas. $0 72
E1232—5 " " 1¾. 84

Fruits— Doz.
E1200—4 " " 84
E1201—5 " " 72
E1238—7 " "
E1239—6 " "
E1278—30's, cap. ½ pt. .$0 72
Double Egg Cup—
9 pt. 11¼ in. $0 95
" 1 20

Covered Butter—
E1388—Act. 8¾.....Doz. 4 80

Fancy Toilet Ware.
Ewers and Ba...
Covered Chamber—
.Doz. 5 40

Plain Toilet Ware.
E1782—Basin only..... 4 50
Chambers— Doz.

84
96
72
80
40
90
E1154—12's, 5¾
E1288—6's, 8¼
Covered Sugar—

"SUPERIOR" WHITE FANCY SHAPE SEMI-PORCELAIN. (OPEN STOCK)

weight, semi-porcelain, pure white glaze all pieces full size, new popular shape, superior oil embossed flange, scalloped edge. A dependable line which you can sell at 50% times

Handled Cups and Saucers— Doz.
E1800 Fancy act. 3¾ Doz.
2¾, saucer 6 in $0 75
3 " Oyster cup, 30¾ 6 in. 75
" " 80

E1814—8 " " 10 75
E1810—Deep, 7 in., act. 9 65
" " " 64

E1818, Act. 10 in. Doz. $0 92
Bakers— Doz.
E1824—7 in., act. 9. $1 20
E1825—8 " " 10 .. 1 80

Bowl— Doz.
E1831—30's act. 5¾ in. .$0 75
Dishes or Platters— Doz.
E1842— 7 in., act. 11. $0 75
E1845— 8 " " 11¾. 96

Oatmeal—
E1805—30's act. 6 Doz. 65

Jugs—
E1873—24's.. .....Doz. 2 00
Covered Dish— Doz.
E1886—7 in., act. 9¾ ..$4 10

Casserole— Doz.
E1882—7 in. act. 9¾ .$4 45
Covered Butter—
E1878— " " " .Doz. 3 60
Doz. 90
Doz 1 20

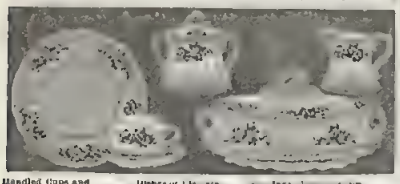
Sauce Bowl—
E1885— .. ..Doz. 1 65
Fruits Dish—
E1886— .. ..Doz. 1 20
Tea Pot—
E1867— .. ..Doz. 2 96

"Superior" Tea and Dinner Sets.

E1899—76 pc. tea set. ..... Set, $3 50
E1895— 82
E1903—46 "
E1893—65 "
E1896—97 pc dinner set..... Set, $4 90
" "
" "
5 98

"FAVORITE" FLORAL & GOLD STAMPED SEMI-PORCELAIN SELECTED THINS (OPEN STOCK)

Best semi-porcelain, good clear white glaze. Up-to-date shapes, embossed edges, large floral and leaf sprig stamped. Note—Selected thins mean some pieces slightly warped, specked or with small glazed-over chips. No raw chips or cracks. *All good selling merchandise.*



Handled Cups and Saucers—

E4100—Majestic Tea . . . . . Doz. $1 50
E4305—Mai Coffee . . . . . " 1 50

Plates— Doz.

E4310 4 in. act. 6pc 90c

E4315 6 " " 6 " 1 20

E4320 deep, act. 9 " 1 45

E4325 coupe, " 9 " 1 45

Bakers—

E4324—7 in., act. 9...Doz. 1 45

Fancy Bowls— Doz.

E4331 30's cap. 1¼ pt. 30 95 . . . . . 1 35

Dishes or Plates— Doz.

E4342—6 in. act. 1 05

E4343—8 " " 1 95

E4344—10 " " 2 90

E4345—12 " " 4 00

Soup—

E4352 Deep 7 in. act. . . . . Doz. 4 6

Fruits— Doz.

E4360—4 in., act. 5 90

E4361—5 " " 1 35

Oatmeal— Doz.

E4370 . . . . . 1 80

Covered Dishes— Doz.

E4380—5 in., act. 2 95

E4381—6 " " 3 75

Cake Plate—

E4390—10 in. . . . . Doz. 1 45

Baker—

E4394—10½ in. . . . . Doz. 3 75

Jugs—

E4401—½ pt. . . . . Doz. 1 45

E4402—1 " . . . . . Doz. 2 25

Creamer—

E4410 . . . . . Doz. 1 15

Covered Sugar—

E4420 . . . . . Doz. 2 75

Covered Butter—

E4430 . . . . . Doz. 6 75

Individual Butter—

E4440 . . . . . Doz. 2 75

Sauce Boat—

E4450 . . . . . Doz. 1 45

Casserole—

E4460 . . . . . Doz. 3 75

Pickle Dish—

E4470 . . . . . Doz. 1 45

Tea Pot—

E4480 . . . . . Doz. 4 50

"FavoriTe" Gold Stamp Tea and Dinner Sets.

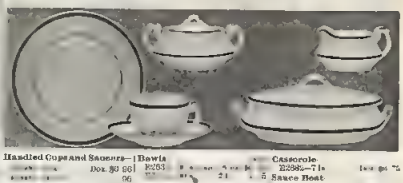
For regular composition see table

E4389 56 pc. tea set . . . . . Act. $3 75 E4394—100A pc. dinner set. Net $6 60
E4391 " " . . . . . " 3 75 E4400 " " . . . . . " 6 00
E4392 " " . . . . . " 3 75 E4403 " " . . . . . " 6 75
E4393 " " . . . . . " 4 50 E4406 " " . . . . . " 8 00

"CAPITOL" WHITE & GOLD SEMI-PORCELAIN (OPEN STOCK)

"Homer Laughlin" trademarked fine quality pure white semi-porcelain, highly glazed light wt., new attractive shapes, ⅝ in. gold band edges, gold ornamented handles. A sample order will convince you of the selling qualities of this low priced line.

HOMER LAUGHLIN



Handled Cups and Saucers—

E2310—4 in., act. 6 in. Doz. $0 96
E2311—5 " " 7 " 60

Plates— Doz.

E2312—6 in., act. 10½ in. $1 10
E2313—8 " " 11 " 1 40

Fruits— Doz.

E2320—4 in., act. 5 72
E2321—5 " " 6 98

Sauce Dish— Doz.

E2300—4 in., act. 5½ in. $0 42

Nappy— Doz.

E2322—7 in., act. 8½ in. $1 75

Oatmeal—

E2325—9 in. Doz. 72

Covered Dishes Doz.

E2380—7 in., act. 8 in. . . $3 00
E2381—8 " " 9 " 3 75

Baker—

E2394—9 in. . . . . Doz. 3 75

Jugs—

E2401—½ pt. . . . . Doz. $1 65
E2402—1 " . . . . . Doz. 2 50

Creamer—

E2410 . . . . . Doz. 1 40

Covered Sugar—

E2420 . . . . . Doz. 2 60

Covered Butter—

E2430 . . . . . Doz. 4 25

Individual Butter—

E2440 . . . . . Doz. 2 60

Sauce Boat—

E2450 . . . . . Doz. 1 40

Casserole—

E2460—7 in. . . . . Doz. 3 25

Sauce Boat—

E2470—5½ in. . . . . Doz. 2 10

Pickle Dish—

E2480—8½ in. . . . . Doz. 1 75

Covered Butter—

E2482—7½ in. . . . . Doz. 4 50

Pickle Dish—

E2483—9 in. drainer . . . . . Doz. 3 60

Individual Butter—

E2485—3½ in. . . . . Doz. 2 40

Egg Cup— Doz.

E2473—2¾'s, cap. 57 oz. . . $2 85

Creamer— Doz.

E2370—30's, cap. 10 oz. . . $1 75

Covered Sugar—

E2377—30's . . . . . Doz. 3 40

Tea Pot—

E2367—Cap. ¼ oz. Doz. 4 50

White & Gold Tea and Dinner Sets.

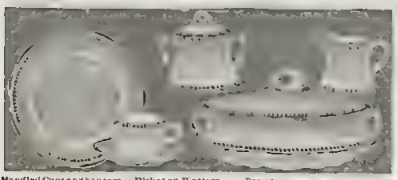
For regular composition see table

E2389—56 pc. tea set . . . . . Net $3 60
E2391—42 " dinner set . . . . . " 3 75
E2394—100A pc. dinner set. . . . . " 7 50
E2398—112 pc. dinner set. . . . . " 7 60

"MAJESTIC" WHITE AND GOLD SEMI-PORCELAIN. (OPEN STOCK)

Trademarked "Homer Laughlin." Famous Hudson shape. Exceptionally strong French shape, artistic design with its beaded festoon embossed edge. Highest grade semi-porcelain, heavy gold engraved under glaze border. All hollow ware with double gold band and line. Knobs full gold traced. Each piece wrapped.

HOMER LAUGHLIN



Handled Cups and Saucers—

E2700—Tea . . . . . Doz. $1 10
E2703—Demi . . . . . " 1 60

Plates—

E2710—6 in., act. 6 in. Doz. $0 65
E2711—8 " " 9 " 90
E2712—10 " " 11 " 1 10
E2713—12 " " 13 " 1 25
E2317—Coupe, 9 in., act. 9 in. 1 25

Cake Plate—

E2715—10 in. . . . . Doz. 3 10

Baker—

E2724—7 in., act. 9 in. . . . . Doz. $2 40

Dishes or Platters— Doz.

E2745—7 in., act. 10½ in. $1 35
E2746 " " 12½ " 2 10

Covered Butter—

E2773 . . . . . Doz. 6 00

Individual Butter—

E2770—Act. 5 in. . . . . Doz.

E2781—5 " " 90

E2780—7 in., act. 8 in. 1 80

Sauce Boat—

E2790 . . . . . Doz. 1 80

Fruits— Doz.

E2720—4 in., act. 5 in. $0 48

Creamer—

E2750 . . . . . Doz. 1 90

Covered Sugar—

E2760 . . . . . Doz. 4 00

Jugs—

E2800—½ pt. . . . . Doz. $1 10
E2801—1 " . . . . . Doz. 2 25

Covered Butter—

E2810—½ pt. . . . . Doz. $3 00
E2811—1 " . . . . . " 4 00

Individual Butter—

E2820—Act. 5 in. . . . . Doz.

E2821—5 " " 90

E2822—7 in., act. 8 in. 1 80

Sauce Boat—

E2830 . . . . . Doz. 1 80

Fruits— Doz.

E2840—4 in., act. 5 in. $0 48

Creamer—

E2850 . . . . . Doz. 1 90

Covered Sugar—

E2860 . . . . . Doz. 4 00

Jugs—

E2870—½ pt. . . . . Doz. $1 10
E2871—1 " . . . . . Doz. 2 25

Covered Butter—

E2880—½ pt. . . . . Doz. $3 00
E2881—1 " . . . . . " 4 00

Individual Butter—

E2890—Act. 5 in. . . . . Doz.

E2891—5 " " 90

E2892—7 in., act. 8 in. 1 80

Sauce Boat—

E2900 . . . . . Doz. 1 80

Fruits— Doz.

E2910—4 in., act. 5 in. $0 48

Creamer—

E2920 . . . . . Doz. 1 90

Covered Sugar—

E2930 . . . . . Doz. 4 00

Jugs—

E2940—½ pt. . . . . Doz. $1 10
E2941—1 " . . . . . Doz. 2 25

Covered Butter—

E2950—½ pt. . . . . Doz. $3 00
E2951—1 " . . . . . " 4 00

Individual Butter—

E2960—Act. 5 in. . . . . Doz.

E2961—5 " " 90

E2962—7 in., act. 8 in. 1 80

Sauce Boat—

E2970 . . . . . Doz. 1 80

Majestic" White & Gold Tea and Dinner Sets.

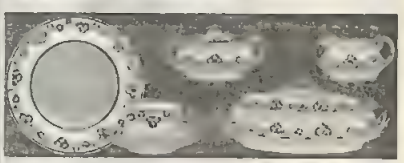
For regular composition see table

E2789 56 pc. tea set . . . . . Net $4 68 E2796—97 pc. dinner set. . . . . Net $8 10
E2792 " " . . . . . " 3 40 E2798 " " . . . . . " 6 00
E2793 " " . . . . . " 3 63 E2799 " " . . . . . " 6 75
E2794 " " . . . . . " 4 17 E2800 " " . . . . . " 7 84

"EMPRESS BORDER" AMERICAN SEMI-PORCELAIN (OPEN STOCK)

First quality pure white semi-porcelain, highly glazed, light wt., popular new shapes

HOMER LAUGHLIN



Handled Cups and Saucers—

E2800—Tea . . . . . Doz. $1 10
E2803—Demi . . . . . " 1 60

Plates—

E2810—6 in., act. 6 in. $0 65
E2811—8 " " 9 " 90
E2812—9 " " 10 " 1 10
E2813—7 " " 9 " 1 25
E2317—Coupe, 9 in., act. 9 in. 1 25

Cake Plate—

E2815—10 in. . . . . Doz. 3 10

Baker—

E2824—7 in., act. 9 in. . . . . Doz. $2 40

Bowl—

E2831—30's, cap. 23 oz. . . $1 55

Dishes or Platters—

E2815—8 in. act. 10 in. $1 10
E2845—10 " " 13½ " . . . . . 3 —
E2847—12 " " 16½ " 5 75

Sauce Dish— Doz.

E2860—4 in., act. 5½ in. $0 90

Nappy— Doz.

E2862—7 in., act. 8½ in. $2 40

Covered Dish— Doz.

E2881—8 in., act. 9 in. $8 25

Casserole—

E2882 7 in. . . . . Doz. 9 25

Sauce Bowl—

E2883—5½ in. . . . . Doz. $4 20

Pickle Dish—

E2884—9 in. . . . . Doz. 3 60

Individual Butter—

E2885—3½ in. . . . . Doz. 1 20

Covered Butter—

E2876—7½ in. . . . . Doz. 6 90

Individual Butter—

E2877 . . . . . Doz. 4 50

Covered Sugar—

E2870—30's, cap. 10 oz. . . $2 40

Egg Cup— Doz.

E2873—2¾'s, cap. 57 oz. . . $2 85

Tea Pot— Doz.

E2867—Cap. 27½ oz. . . $9 00

"Empress Border" Tea and Dinner Sets.

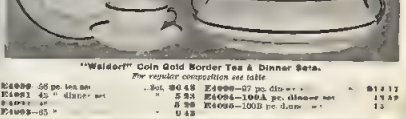
For regular composition see tables.

E2889—56 pc. tea set . . . . . Net $4 75 E2895—100B pc. dinner set. . . Net $10 00
E2891—42 " dinner set . . . . . " 3 94 E2896 " " . . . . . " 10 25
E2892—46 " " . . . . . " 4 20 E2898—112 pc. dinner set . . . . . " 11 10
E2894—97 " " . . . . . " 9 67

"WALDORF" COIN GOLD BORDER DECORATED SEMI-PORCELAIN (OPEN STOCK)

Homer Laughlin Co's popular Geneseo. A plain shape that is much in demand in dinner blend decoration. Extra long, light weight semi-porcelain, of high quality, good uniform glazing, wide coin gold edges, handles and knobs. All pcs. trade-marked and tissue wrapped.

HOMER LAUGHLIN



Handled Cups and Saucers—

E4000—Oyster shape, Doz. $1 80
E4005—Coffee . . . . . " 2 50

Plates— Doz.

E4010—7 in., act. 6½ . . . $0 84
E4013—8 " " 7¾ . . . 1 05
E4012—9 " " 8¾ . . . 1 20
E4013—7 " " 9¾ . . . 1 55
E4017—Coupe, 7 in. 1 55

Cake Plate—

E4018 . . . . . Doz. $2 —

Individual Butter—

E4020 . . . . . Doz. 96

Creamer—

E4030 . . . . . Doz. $3 95

Fruit—

E4000—4 in., act. 5. Doz. 75

Covered Sugar—

E4077 . . . . . Doz. 6 00

Covered Butter—

E4078 . . . . . Doz. 8 40

Covered Dish—

E4080—7 in., act. 8. Doz. 10 20

Casserole—

E4090 . . . . . Doz. $7 —

Pickle Dish—

E4095 . . . . . Doz. $2 95

Tea Pot—

E4097 . . . . . Doz. 7 80

Dishes or Platters— Doz.

E4045—8 in., act. 10½ $2 40
E4045—10 " " 13¾ 4 35
E4047—12 " " 16¾ 7 20
E4048—14 " " 18¾ 10 20

Baker—

E4024—7 in., act. 9 Doz. . . .

Jugs—

E4100—½ pt. . . . . Doz. $4 —
E4101—1 " . . . . . Doz. 5 —
E4102—2 " . . . . . Doz. 6 —
E4103—3 " . . . . . Doz. 9 —

Covered Butter—

E4110—½ pt. . . . . Doz. $6 —
E4111—1 " . . . . . Doz. 7 —

Individual Butter—

E4120—Act. 5 in. . . . . Doz.

E4121—5 " " 90

E4122—7 in., act. 8 in. 1 80

Sauce Boat and Stand—

E4130 . . . . . Doz. 3 —

Nappy—

E4140—6 in., act. 8 in. . . . . Doz. 2 —

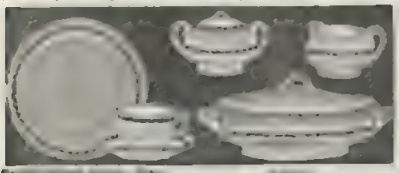
Waldorf" Coin Gold Border Tea & Dinner Sets.

For regular composition see table

E4089 56 pc. tea set . . . . . Act. $6 48 E4096—97 pc. dinner set. . . . . Net $11 17
E4091 42 " dinner set . . . . . " 5 23 E4094—100A pc. dinner set . . . . . " 13 49
E4093 46 " " . . . . . " 5 78 E4098—100B pc. dinner set . . . . . " 13 —
E4095—65 " " . . . . . " 9 43

"NATIONAL" WREATH BORDER SEMI-PORCELAIN

...ium stamped wreath border, gold line edges, knobs and handles ... Guaranteed against crazing. Order stamped cotton 8 for comparison.



...Dor. $1 50
...Doz. 1 20

Covered Dish—
...Dor. 6 40

E3055—7 in., set, 8 Doz. 1 60
Fruit—
E3060—4 in. set, 5½ Doz. .62
Oatmeal—

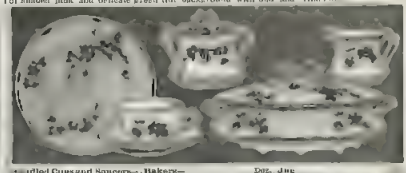
Notched Casserole—
E3053 Set 7¼ in., Doz. 7 20
Sauce Boat—
E3057 ...Doz. 2 10
Pickle Dish

"National" Wreath Border Decorated Tea and Dinner Sets.
For regular composition see table.

E3093—85 " " " ... " 4 95 E3099—

"COLONIAL ROSE" SEMI-PORCELAIN

...gold line on all hollow pieces. Decorated with beautiful colonial rose sprays of shaded pink and delicate green tint background with bud and vine ef...



...idled Cups and Saucers—
E3100—Tea, 3¾ x 2¼ Doz. $0 93
E3311 -5 " " 7¼ " 65
E3312—6 " " 8¾ " 78
E3313—7 " " 9¾ " 92
E3314—8 " " 10 " 1 05

Bakers—
E3324—7 in. set, 9 in. $1 70
E3325—8 " " " "
Fancy Bowls—
E3343— 7 in. set, 10¼ $1 15
E3344— 8 " " 11¼ " 1 40
E3345— 9 " " 12¼ " 1 65
E3346—10 " " 13¾ " 2 25
E3347—12 " " 15 " 4 35
E3348—14 " " 17¼ " 5 50

Dor. Jug
1 15
Dor.
E3370— 30-in. Doz. 1 70
3 75
Covered Butter—
E3375— ... Doz. 5 04
Individual Butter—
E3370— ... Do
Covered
E3386 ...
E3381—
Casserole—
E3385—8 in. notched
Dor. 2 40

"CONQUEROR" ROSE FESTOON SEMI-PORCELAIN

popular reproduction of one of the famous French ships. First se... l reeded wide border of festooned pink roses and green leaves, oriental ch...

E1970 ... Dor. $0 37
Oatmeal
E1995 Act. 8 in ...Dor. .80
E1993—30's. ...Dor. 1 55
Cake or Platters
E1945—7 in., set, 10¼ $1
E1943— 8 " " 11¾ 1
E1978 ...Dor. 6 00
Covered Sugar—
E1977 ...Dor. 4 45
E1951—8 in., set, 10¼ $0 65
Fruit Saucer—
E1916—5¾ in ...Doz. .45
Bakers or Vegetable Dishes—Deep oblong, Dor.
E1124—7 in., set, 8¾x03¼ $1 80
E1125—8 " " 10x7¾ 2 90
Utility or Slop Bowl— Dor.
E1131—5¾ in. bl. 3¼ $1 45

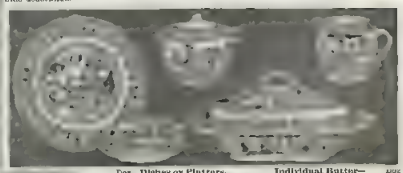
Dor. Jug—
E1973—2½ gal. cap 4 pts., $3 65
Tea Pot—
E1967. ...Doz. 5 99

"Conqueror" Rose Tea and Dinner Sets.

E1939—56 pc. set, 8 pc. ... Set, $8 25
E1911 42 " dinner set, ... " 3 80
E1992—46 " " " ... " 5 99
E1993—85 " " " ... " 9 74
E1994—100A pc. dinner set ... " 12 95
E1995—100B " " ... " 13 95

"BLUE WILLOW" ALLERTON'S FAMOUS

...ly guaranteed against crazing. Famous Teams Blue willow pattern with the po... ohio decoration.



Dor. Dishes or Platters
E3130—Handles ... $4 50
Fancy oblong shape, Doz.
E3142—7 in., set, 8x 6¾ $ 5 25
E3143—8 " " 9¾x 7¾ 1 85
E3147—14 " " 17¾x12¾ 6 50
E3148—14 " " 15¾x12¾ 6 50
Creamer— Dor.
E3176—Fancy shape, 50 $2 10
Fruit or Sauce—
E3177—Deep shape, ¢
10 set, 6¼ ... Doz. $0 45
Covered Sugar— Dor.
Covered Butter ...
E3181—Large size ...
Individual Butter—
E3170—Diam. 3¼ in ... $0 32
Covered Vegetable Dishes—
E3181 ...
E3181 8 in. set, 11¾ 3 60
Covered Soup Tureen—
E3182—Deep oblong shape, inside 12¼ in., notched cover ...Doz. 13 20
Hundred Sauce Boat—
E3185—Large size...Doz. 2 60
Pickle Dish—
E3187—Large size...Doz. 0 90

"Pekin" Blue Willow English Tea and Dinner Sets.
For regular composition see table.

Set.		
42	$2 75	E3194—100A pc. dinner set ...Set, $8 25
"	3 30	E3195—100B pc. dinner set ... " 8 75
"	4 60	
"	6 20	E3198—112 " " " ... " 9 13

COMPOSITION TABLE OF TEA AND DINNER SETS

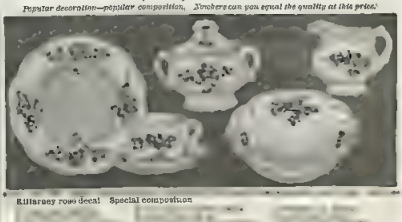
Imported and Domestic dinnerware sets conform to the following compositions. In figuring the number of pieces in a set, each separate piece counts as one; e.g., one cup and 1 saucer... Counts as 2pcs. | 1 cover 1 sugar

Tea Sets			Dinner Sets					
38 Pc.	42 Pc.	46 Pc.	85 Pc.	97 Pc.	100A Pc.	100B Pc.	102 Pc.	112 Pc.
	12	12	12					24
Bread & Butter P...								
Dinner Plate, 7								
Cake Plate								
Coupe Soup, 7 in.								
Baker or Vegetable D...								
Fancy Bowl, 3d								
Covered Butter								
Fruit Dis...								
Pappy or ...								
Pickle Dish								

PREMIUM "BLARNEY ROSE" 43 PC. DINNER SET

Special composition as illustrated.

Popular decoration—popular composition. Nowhere can you equal the quality at this price!



Blarney rose decal Special composition

$2.25

HORSE CLIPPING MACHINES

STEWART No. 1. THE BALL BEARING ENCLOSED TYPE CLIPPING MACHINE.

Has rigid base; tubular upright; gears all cut from solid metal and enclosed in dust proof metal box; all wearing parts are of hardened steel, new style light [illegible] running flexible [illegible], compact—can be carried in a satchel or handled as shelf goods. The most perfect clipping machine ever made at any price

Weight boxed 36 pounds, each. $12.50
*Sheep shearing attachment. 13.00
*Combined No. 1 machine, for both horse clipping and sheep shearing 25.40

No. 1902 CHICAGO CLIPPING MACHINE (Stewart Patent)

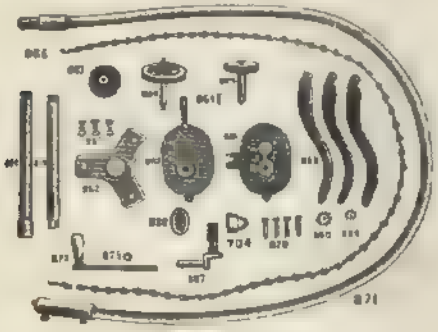
Has rigid base; tubular upright, large, strong crank handle; 6½ foot flexible steel shaft; teeth in large gear all cut from solid metal; wearing parts all hardened tool steel; positive power; no belt to slip. Can be turned with either hand. Simple, strong, durable. It is light running and noiseless. Will clip a horse in 30 minutes.

Weight 56 pounds, boxed 70 pounds.
Each $17.90
*Sheep shearing attachment 13.00

*Combined No. 2 Chicago machine, for both horse clipping and sheep shearing $30.40

*PARTS OF STEWART No. 1 BALL BEARING CLIPPING MACHINE

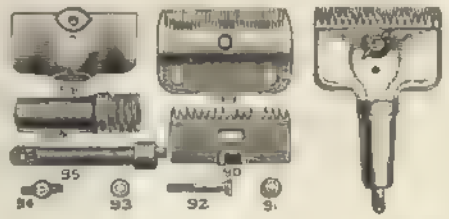
As supplied since Aug. 1, 1908



No.		Price
704	Gear cap	$0.50
886	Gear case	1.00
882	Gear case cover	.75
862	Leg bracket	.35
885	Drive gear and spindle	1.50
864	Cotter pin	.02
884	Balance wheel and spindle	1.00
866	Chain for shaft, 6 feet	1.80
867	Bracket studs and nuts, per set	.15
868	Legs	.35
887	Gear head casting	1.50
870	Gear case screws, each	$0.05
871	Shaft without chain, 6 feet	3.00
883	Intermediate gear and pinion	2.00
875	Handle nut	.05
876	Eye spindle	.50
877	Crank handle	.50
879	Upper part of upright	.40
880	Lower part of upright with coupling	.60
888	Balls and ball cup	.75
889	Small cog	.25
890	Large cog	.50

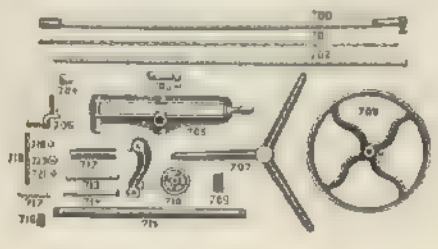
*PARTS OF HANDLE AND KNIFE USED ON ALL STEWART HORSE CLIPPING MACHINES

Postage on a set of horse or sheep knives by registered mail is 18 cents.



Stewart patent horse clipper handle and knife, complete	$3.50
Stewart patent horse clipper knife without handle	2.50
Stewart patent horse clipper, handle only	1.00
No. 90 Top plate	1.00
No. 91 Tension spring of handle	.05
No. 92 Tension bolt of handle	.05
No. 93 Eccentric roll of handle	.10
No. 94 Tension nut of handle	.05
No. 95 Pin and shaft of handle	.35
No. 97 Shank of handle	.40
No. 98 Front part of [illegible]	.50
No. 99 Bottom plate	$1.50
Price of grinding all kinds of horse clipper knives, per set	.50
Price of grinding sheep shear knives, per set	.10
Price of chain for flexible shaft, per foot	.30
Price of flexible shaft, complete, per foot	.75
Price of shaft without chain, per foot	.50
Price of oil, per quart	.50
Price of oil, per gallon	1.00
Price of chain paste, 1 pound can	.25
Price of chain paste, 5 pound can	.50
Price of small squirt can, full of oil	.15
Grinder paste, per package	.25

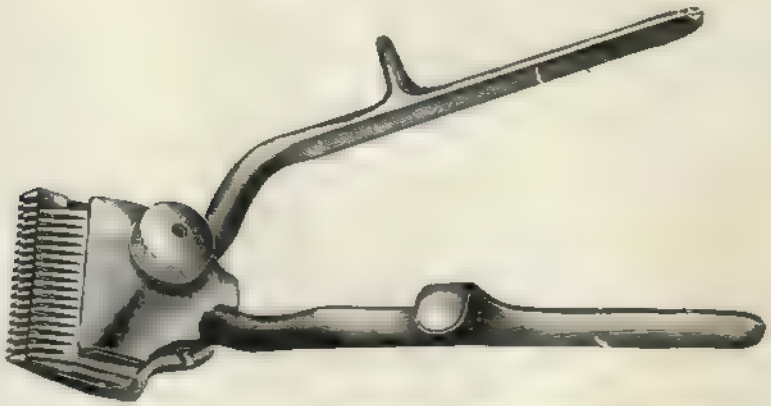
*PARTS OF No. 2 CHICAGO CLIPPING MACHINE



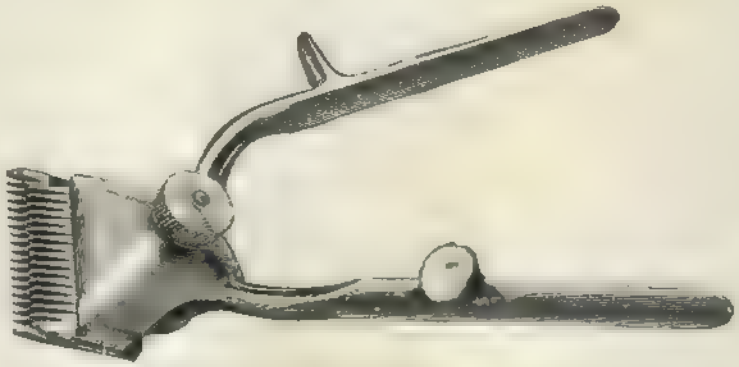
No.		Price
700	Shaft, without chain, 6½ feet	$3.25
701	Chain for shaft, 6½ feet	1.95
702	Spiral spring (without cover)	1.80
703	Top sleeve	.50
704	Gear cap	.50
705	Gear head casting	1.50
706	Bracket	2.00
707	Tripod	2.00
708	Drive wheel	2.50
709	Bottom sleeve	.25
710	Balance wheel	.50
711	Crank	.50
712	Wood handle	.15
713	Axle	.50
714	Handle bolt	.25
715	Upright	1.00
716	Pinion	.50
717	Eye spindle	.50
718	Pinion shaft	.50
719	Small cog	.25
720	Large cog	.50
721	Hexagon nut for handle bolt	.05

*Not carried in stock; can be furnished promptly from factory.

TOILET CLIPPERS

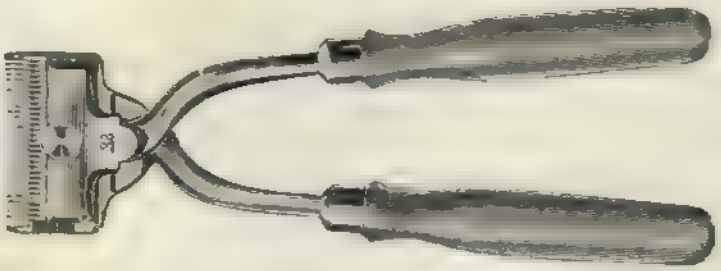


Cumberland ... nickel plated concave spring ... nickel, weight per dozen about 6 pounds ... per pair **$1.20**

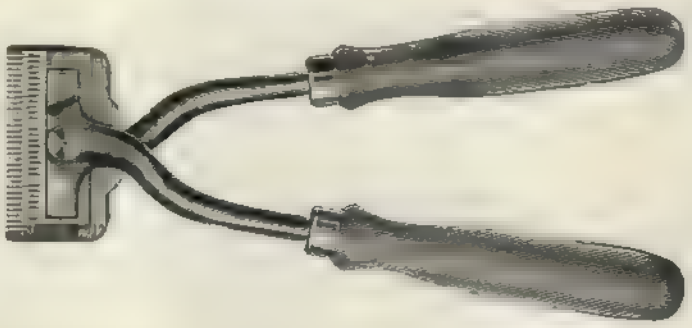


Cherokee ... friction ball bearings, concealed spring, ... nickel, weight per dozen 7 pounds ... per pair **$2.50**

HORSE CLIPPERS



Cranberry Ball bearing horse clipper, nickel plated, polished satin wood handles, weight per dozen 14 pounds ... per pair **$3.50**

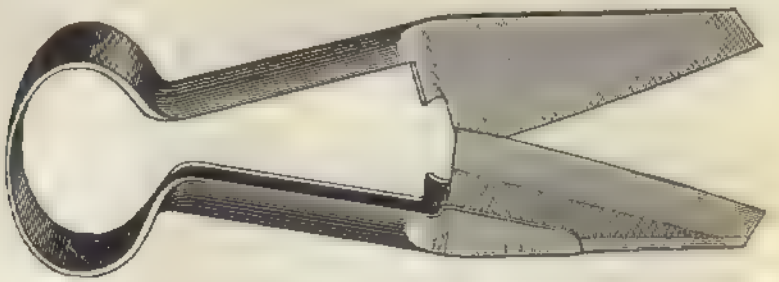


Jackson Central nut tension, polished wood handles, weight per dozen 13 pounds.....per pair, **$2.50**

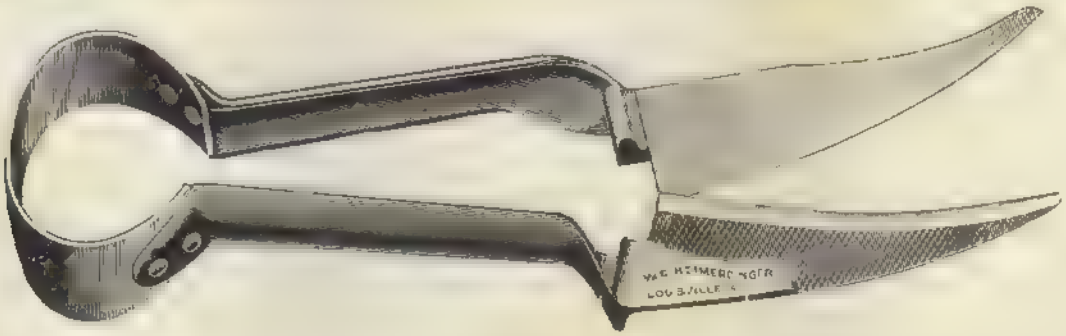
One in a box

SHEARS

HORSE OR MULE

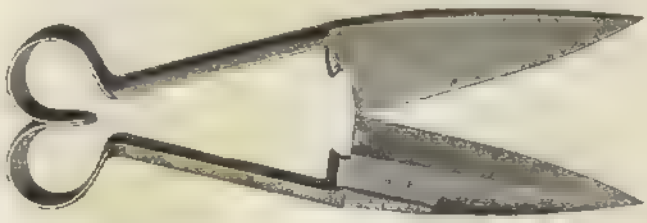


Cranberry Best crucible steel, full polished, 4¼ inch straight blades, weight per dozen 9 pounds . . . . . per dozen, **$8.00**
Cherokee Best crucible steel, half polished 4¼ inch curved blades, weight per dozen 9 pounds . . . . . per dozen, **6.00**



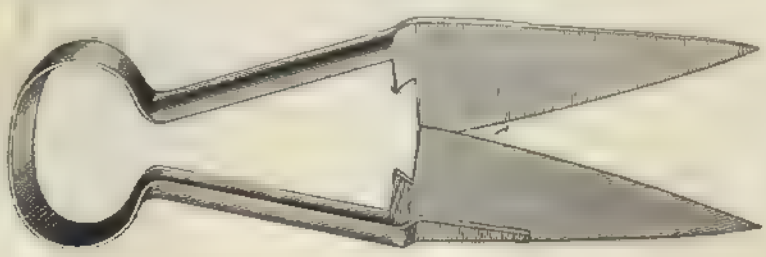
No. 99B Half polished, 4½ inch curved blades, polished handles and bows, trowel shanks, weight per dozen about 6 pounds . . . . . per dozen, **$15.00**

SHEEP



Cranberry Full polished 6½ inch wide blade, double bow, narrow grip, weight per dozen about 11 pounds . . . . . per dozen, **$13.00**

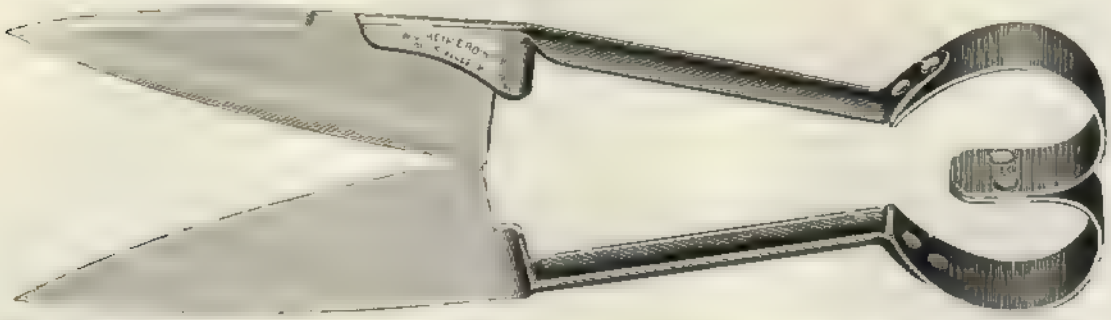
Cherokee Full polished, 6½ inch blade, weight per dozen 11 pounds . . . . . per dozen, **$9.00**



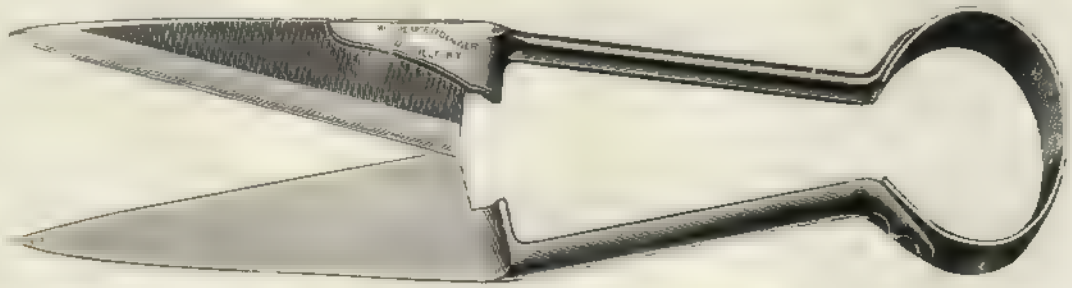
Cumberland Solid steel, full polished 5½ inch blade, trowel shanks, weight per dozen about 9 pounds . . . . . per dozen, **$7.00**
Half dozen in a box

SHEARS

SHEEP



No. 615½ Full polished 5½ inch blades polished handles and bows, extra thin ground bevels, extra elastic bows, weight per dozen 8 pounds ..... per dozen, **$17.00**

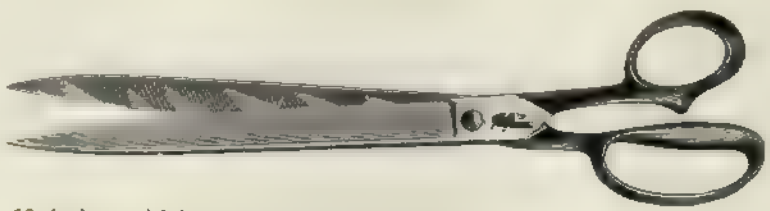


No. 0215½ Razor steel, full polished, 5½ inch blades, polished handles and bows, weight per dozen about 8 pounds ..... per dozen, **$13.00**

BARBERS'

Imperial Full nickel plated, 7½ inches, weight per dozen 3½ pounds ..... per dozen, $18.00

BANKERS'



Imperial Full nickel plated, 12 inches, weight per dozen 6½ pounds ..... per dozen, $34.00

PAPER HANGERS'

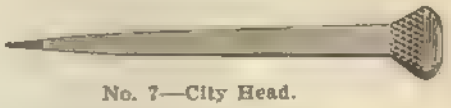
Length inches	10	12
Weight per dozen pounds	5½	6½
Imperial full nickel plated	$27 00	34 00

Half dozen in a box

HORSE SHOE NAILS

CAPEWELL

No. 9—Regular Head.



No. 7—City Head.

Regular or City Head.

Best Swedish Iron. Never Break Under Heads. Never Cramp in the Hardest Hoof. Flexible to Clinch. Never Split in Driving.

Nos.	5	6	7	8	9	10
Per Pound $	.....	.....	.....	.....	.....	.....

5 Pounds in a Paper Box; 25 Pounds in a Wooden Box.

LEADER

No. 8—Regular Head.

No. 7—City Head.

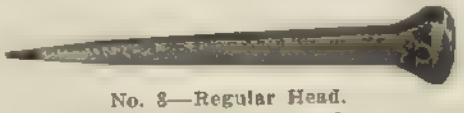
Regular or City Head.

Best American Stock, Well Formed, Medium Quality.

Nos.	5	6	7	8	9	10
Per Pound $	.....	.....	.....	.....	.....	.....

5 Pounds in a Paper Box; 25 Pounds in a Wooden Box.

RELIANCE



No. 8—Regular Head.

Regular or City Head.

Nos.	5	6	7	8	9	10
Per Pound $	.....	.....	.....	.....	.....	.....

5 Pounds in a Paper Box; 25 Pounds in a Wooden Box.

CROWN

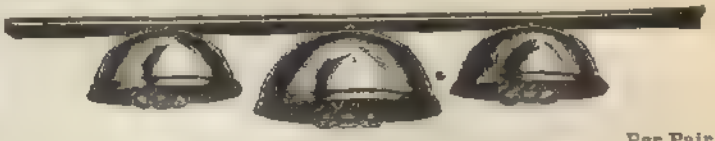
Regular or City Head.

Nos.	5	6	7	8	9	10
Per Pound $	.....	.....	.....	.....	.....	.....

5 Pounds in a Paper Box; 25 Pounds in a Wooden Box.

SHAFT CHIMES

No. 417 Wrought Steel Beaded Gong Chimes, Nickel Plated, Japanned Iron Strap — Per Pair $0 50
Weight Per Pair 1½ Pounds.
One Pair in a Box.



No. 413—Cast Bell Metal Gong Chimes Nickel Plated Japanned Iron Strap — Per Pair $1 10
Weight Per Pair 1¾ Pounds
One Pair in a Box.

	Per Pair
No. 497—Wrought Steel Graduated Cup Chimes, Nickel Plated, Japanned Iron Strap	$0 90
No. 422—Cast Bell Metal Swiss Chimes, Nickel Plated, Japanned Iron Strap	1 80
No. 428—Cast Bell Metal Large Tuned Swiss Chimes, Nickel Plated Nickel Plated Brass Strap	3 20

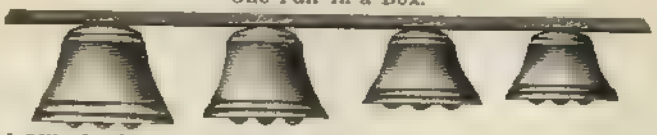
Weight Per Pair 3 Pounds.
One Pair in a Box.

SHAFT CHIMES

No. 442—Cast Bell Metal Bevel Chimes, Nickel Plated, Japanned Iron Strap..... Per Pair $1.00
Weight Per Pair 2¼ Pounds.
One Pair in a Box

No. 458—Cast Bell Metal, Mikado Chimes, Nickel Plated, Japanned Iron Strap. ..... Per Pair $1 00
Weight Per Pair 2¼ Pounds.
One Pair in a Box.

No. 469—Wrought Brass Graduted Band Chimes, Nickel Plated, Japanned Iron Strap . ..... Per Pair $1.60
Weight Per Pair 2¼ Pounds.
One Pair in a Box.



No. 454½—Cast Bell Metal Mikado Chimes, Nickel Plated, Japanned Iron Strap.. ..... Per Pair $1.80
No. 0456½ Cast Bell Metal Mikado Chimes, Brass Plated, Brass Plated Strap 2.00
No. 456½—Cast Bell Metal Mikado Chimes, Nickel Plated Brass Plated Strap 2.00
Weight Per Pair 3½ Pounds.
One Pair in a Box.

No. 445—Cast Bell Metal Bailey's Patent Corrugated Chimes, Gold Plated, Fancy Plated Metal Strap..... Per Pair $3 50
Weight Per Pair 3 Pounds.
One Pair in a Box.

No. 432—Cast Bell Metal Chimes, Nickel Plated, Japanned Iron Strap..... Per Pair $1.80
Weight Per Pair 3 Pounds.
One Pair in a Box.

No. 431—Cast Bell Metal Gong Chimes, Nickel Nickel Plated, Japanned Iron Strap..... Per Pair $1.20
Weight Per Pair 2 Pounds.
One Pair in a Box.

No. 677—Cast Bell Metal Chimes and Bell Metal Strap, Nickel Plated ..... Per Pair $3.40
Weight Per Pair 2½ Pounds.
One Pair in a Box.

METAL BUILDING CORNERS

TAKE THE PLACE OF CORNER BOARDS
ON FRAME HOUSES

Suitable For Repairing Old Work That Has Warped Open, As Well As For New Construction

These Metal Corner Pieces Are used To Finish The Corners Of Buildings Where Lapsiding Is used

Cut Shows
No. 14 and 16 Outside Corner

Cut Shows
No. 34 and 36 For inside Angles used where two walls join.

Made of No. 28 Gauge Galvanized Iron so that they can be Painted same as Wood. Take the Place of Corner Boards, are Accurately Shaped to Fit Beveled Corner Forms, at the Siding and Painted with No. Dulux before being Put on Over the Paper and Nailed Right Solid at the Corner Edge of the Board. Corner Pieces nailed along each Board, About two inches making It Unnecessary to Square the Ends of the Siding. Compared with the Old Style Corner Board Construction, there is a Saving in Both Time and Material. No Special Nailing required. Use 4-penny Casing Nail for putting on.

		Per Thousand
No. 14—1 inch Outside Metal Corner	For 1 inch Lap Siding, and under the Weather	$30.00
No. 16—1 inch Outside Metal Corner	For 6 inch Lap Siding, and under the Weather	32.00
No. 26—1 inch Inside Metal Corner	For 6 inch Lap Siding, and under the Weather	30.00
No. 36—1 inch Inside Metal Corner	For 6 inch Lap Siding, and under the Weather	32.00

Packed 250 to Corrugated Paper Box. Weight per Box, 4 inch, 15 lbs.; 6 inch, 20 lbs.

WALL TIES
DOUBLE CRIMP

Note the Construction, these Ties cannot Elongate without actually Stretching the Metal. Scientifically Designed. Affords Maximum Bond Perforation Spots each allow the Mortar to Hold and make a solid Union in the Wall. The new Stretch Crimp and Improved Corrugated Edges make a construction which will not crack in the hardest Kind of Brick Setting. Gauge Galvanized Steel.

VENEER NO TYPE

		Per 1000
No. VWT	1 inch Ties, 6 inches Weight per Thousand, 60 lbs.	$7.00

REGULAR TYPE

		Per 1000
No. RWT—Size 3/4x1 1/4 inches	Weight per Thousand, 60 lbs.	$7.00

1000 in a Wood Box

HERRING BONE

VENEERING TYPE

REGULAR TYPE

Made of No. 28 Gauge Galvanized Iron. Packed 1000 in a Box. Per 1000

No. VHWT—Size 3/4x1 1/4 inches	Weight per 1000, 20 lbs.	$5.00

1000 in a Box

No. RHWT—Size 3/4x1 1/4 inches	Weight per 1000, 30 lbs.	$6.00

1000 in a Box

YANKEE WALL PLUGS
GALVANIZED STEEL

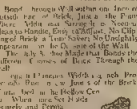
Wood Plugs Dry Out or Rot Out and Lose Their Grip. Yankee Wall Plugs are made of Galvanized Steel. They are Laid Between the Joints of Brick, Concrete or Cement Work Buildings, at such Intervals as will be Required for the Corrugated Wooden or Self-Sawing Strips for Nails. Nails Right into the Wall. The Mortar Forms a Permanent Key in the Plug. The Plug will Last as Long as the Building. It Grips the Nail Like a Vise, Giving Rigidity and Stability.

		Per 1000
No. WP—Yankee Wall Plug	Size of Plug 3/4 inches Long, 3/4 inches Wide. Weight per 1000, 8 lbs.	$15.50

250 in a Box

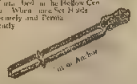
HOUSE ANCHORS

SECURITY BOND ANCHORS
Made of Malleable Iron



Bond through Wall Section on Face of Outside Row of Brick, Into the Part Where Wide and Strong It is Necessary to Chase to Handle, Easy to Install. No Clip pings of Brick as Tools Above No Unsightly Appearance on Face or Inside of the Wall. The Ally Is Also Made that Bonds the Different Courses of Brick Through the Wall.

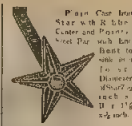
Regular Furnace Work is 4 inch Projection. But in case Joist is of the Brick, Make Anchor in the Hollow Center Where and Set Joist Securely and Permanently.



Cut Shows Anchor Applied. The No. SBA Ceiling Joist.

		Per 100
No. SBA	Security Wall Anchors. For any Thickness of Wall. The Maximum Weight per 100 Will be	$12.00

STARS ONLY



Plain Cast Iron Star with Rod Center and Pointed Nut Put with Key Rod to take on Face of Diameter of Star as each is 12 inch 2 inch

		Per 100
No. NB	WITH NUT	$25.00
No. NB2	For 3 inch Wall We put up 250 lbs.	$30.00

		Per 100
No. SB	STARS ONLY Star Anchor Weight per 100, 50 lbs. Anchors Used 2 in a course. Size 7 inch	$10.00

T ANCHORS

Per 100

No. T23 For 9 or 12 inch Wall Weighs 1 lb. Used each Set with Cod Bolt to Secure Joist Weight per Hundred 11 lbs. $15.50

STARS ONLY

PORCH SUPPORTS

LONG STEM

Japanned Cast Iron Tubes No. 12 Screws per Dozen Sets

No. 1	Two Rows, Dentil Moulding	$4.20

Weight per dozen sets complete with Tubes

ARCH

Japanned Cast Iron Tubes No. 11 Screws Per Dozen Sets

No. 2 4 inch Pipe Spread of Base 15 inches high Number of Dozen Sets Weighs 1 Dozen 50 lbs. Each $1.80

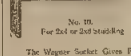
Loose

WAGNER STUDDING SOCKETS

The All-Purpose Sockets for Cement Floors

The Only Way to Attach Studding to Cement Floors and Do It Right Is to Use Galvanized Iron Sockets. This Method Unfailingly Assures Strong Windproof Buildings that Cannot be Undermined by Rat.

The Wagner Studding Socket is the Only All-Purpose Socket on the Market. One Style of Socket is Used for Corners, Intermediate Studdings, etc.



No. 19.
For 2x4 or 2x6 Studding

The Wagner Socket Gives Perfect Results anywhere it is Used. No. 19 will Take a 2x4 or a 2x6 equally well, and No. 20 is Used for 2x8 or 2x10 Studding.

Sockets Set in Place on the Set Cement with Holes Filled or Angle Irons Screwed Through the Holes in the Bottom Into the Cement.

When the Cement is Hard, Toolsers are Inserted Between the Lugs Thus "B" and are Bored or Screwed Solidly Into Place Through the Three Holes in the Side.

Wagner Studding Sockets as used for Corner

No. 20.
For 2x4 or 2x8 Studding

For Use on the Studding as Set in the Wagner Socket, two inches Away from the Corner and the Corner Open then Socket or cloth to hold the studding, when Brought Flush with the Edge and the Straight of Studding Square then will Set as Studs or Strong.

These Sockets are Made of Tough, not Galvanized with Right Rods Zinc Spelter and are Heavy Rust Workers. No. 20 is the Same Type of Socket as No. 19, but is Somewhat Heavier and Larger being Intended for Business, Barns and Large Buildings where Either 2x4 or 2x8 Studding is Used.

No. 25
Studding Socket for Post Joists

No. 25 is the same as No. 19, Except is Made without the Elbow or Angle that Extends Down into the Cement and is Intended for Bonding the Studding of Partitions where no Strong a Beam is not Required as for the Outside Frame of a Building. It is Set on Top of the Fresh Cement and Screwed Holding.

		Per Dozen
No. 19	Wagner Studding Sockets for 2x4 or 2x6 Studding. Weight per dozen, 20 lbs.	$2.80
No. 20	Wagner Studding Sockets for 2x6 or 2x8 Studding. Weight per dozen, 3 lbs.	3.80
No. 25	Wagner Studding Sockets for 2x4 or 2x6 Studding. Weight per dozen, 3 lbs.	2.70

Painted Loose. Nos. 19 and 20 Galvanized. Screws Furnished with Each Socket.

"DIAMOND EDGE IS A QUALITY PLEDGE."

METAL BUILDING CORNERS

TAKE THE PLACE OF CORNER BOARDS
ON FRAME HOUSES

Suitable For Repairing Old Work That Has Warped Open, As Well As For New Construction

These Metal Corner Pieces Are used To Finish The Corners Of Buildings Where Lapsiding Is used

Cut Shows
No. 14 and 16 Outside Corner

Cut Shows
No. 34 and 36 For inside Angles used where two walls join.

Made of No. 28 Gauge Galvanized Iron so that they can be Painted same as Wood. Take the Place of Corner Boards, are Accurately Shaped to Fit Beveled Corner Forms, at the Siding and Painted with No. Dulux before being Put on Over the Paper and Nailed Right Solid at the Corner Edge of the Board. Corner Pieces nailed along each Board, About two inches making It Unnecessary to Square the Ends of the Siding. Compared with the Old Style Corner Board Construction, there is a Saving in Both Time and Material. No Special Nailing required. Use 4-penny Casing Nail for putting on.

		Per Thousand
No. 14—1 inch Outside Metal Corner	For 1 inch Lap Siding, and under the Weather	$30.00
No. 16—1 inch Outside Metal Corner	For 6 inch Lap Siding, and under the Weather	32.00
No. 26—1 inch Inside Metal Corner	For 6 inch Lap Siding, and under the Weather	30.00
No. 36—1 inch Inside Metal Corner	For 6 inch Lap Siding, and under the Weather	32.00

Packed 250 to Corrugated Paper Box. Weight per Box, 4 inch, 15 lbs.; 6 inch, 20 lbs.

WALL TIES
DOUBLE CRIMP

Note the Construction, these Ties cannot Elongate without actually Stretching the Metal. Scientifically Designed. Affords Maximum Bond Perforation Spots each allow the Mortar to Hold and make a solid Union in the Wall. The new Stretch Crimp and Improved Corrugated Edges make a construction which will not crack in the hardest Kind of Brick Setting. Gauge Galvanized Steel.

VENEER NO TYPE

		Per 1000
No. VWT	1 inch Ties, 6 inches Weight per Thousand, 60 lbs.	$7.00

REGULAR TYPE

		Per 1000
No. RWT—Size 3/4x1 1/4 inches	Weight per Thousand, 60 lbs.	$7.00

1000 in a Wood Box

HERRING BONE

VENEERING TYPE

REGULAR TYPE

Made of No. 28 Gauge Galvanized Iron. Packed 1000 in a Box. Per 1000

No. VHWT—Size 3/4x1 1/4 inches	Weight per 1000, 20 lbs.	$5.00

1000 in a Box

No. RHWT—Size 3/4x1 1/4 inches	Weight per 1000, 30 lbs.	$6.00

1000 in a Box

YANKEE WALL PLUGS
GALVANIZED STEEL

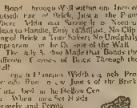
Wood Plugs Dry Out or Rot Out and Lose Their Grip. Yankee Wall Plugs are made of Galvanized Steel. They are Laid Between the Joints of Brick, Concrete or Cement Work Buildings, at such Intervals as will be Required for the Corrugated Wooden or Self-Sawing Strips for Nails. Nails Right into the Wall. The Mortar Forms a Permanent Key in the Plug. The Plug will Last as Long as the Building. It Grips the Nail Like a Vise, Giving Rigidity and Stability.

		Per 1000
No. WP—Yankee Wall Plug	Size of Plug 3/4 inches Long, 3/4 inches Wide. Weight per 1000, 8 lbs.	$15.50

250 in a Box

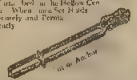
HOUSE ANCHORS

SECURITY BOND ANCHORS
Made of Malleable Iron



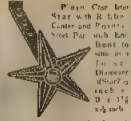
Bond through Wall Section on Face of Outside Row of Brick, Into the Part Where Mortar and Strength is Needed. Obviates Handling Extra Bricks. No Chipping of Brick as Is Necessary in Ordinary Application of Bolt Anchors. The Ability to Bond Made that Builds the Different Courses of Brick Through the Wall.

Each Package Contains a sufficient Number of Anchors to Secure Each Window Frame, Door Frame, Mantel and to the Hollow Construction Where Used. Set Solid, Securely and Permanently.



Cut Shows Anchor Applied. The Wall Is Cut Ready for Setting.

		Per 100
No. SBA	Security Wall Anchors. For any Thickness of Wall. The Maximum Weight per 100 Will be	$12.00



Plain Cast Iron Star with Rod Center and Private Rod Pull with Key Head to slide on Iron Rod. Diameter of Star as each is 12 inches, 15 inches, 18 inches, 24 inches.

WITH NUT

		Per 100
No. N9	For 9 inch Wall	$25.00
No. N12	For 12 inch Wall	$30.00

We Do Not Sell Less Than 100 of Any Size.

STARS ONLY

		Per 100
No. S8	Stars Only, as are put up 100 Weight per 100, 10 lbs. Anchors Used 2 in a space. Size 8 inch	$10.00

T ANCHORS

		Per 100
No. T23	For 9 or 12 inch Wall. Weights 1 to 1 1/2 lbs. each. Set with Cod Dog to Prevent Water Working or Hardening. Weight per Hundred 150 lbs.	$15.50

STARS ONLY

PORCH SUPPORTS

LONG STEM

Japanned Cast Iron. Takes No. 12 Screws. Per Dozen Sets

No. 1	Two Knees, Dwarf Length	$1.20

Weight per dozen sets, 20 lbs.

ARCH

Japanned Cast Iron. Takes No. 11 Screws. Per Dozen Sets

No. 2	4 inch Pipe Spread of Base 15 inches high. Length of Arch 12 inches. Weight per Dozen Sets, 85 lbs.	$1.80

Loose

WAGNER STUDDING SOCKETS
The All-Purpose Sockets for Cement Floors

No. 19.
For 2x4 or 2x6 Studding

The Only Way to Attach Studding to Cement Floors and Do It Right Is to Use Galvanized Iron Sockets. This Method Unfailingly Assures Strong Windproof Buildings that Cannot be Undermined by Rat.

The Wagner Studding Socket is the Only All-Purpose Socket on the Market. One Style of Socket is Used for Corners, Intermediate Studdings, etc.

No. 6.
For 2x4 or 2x6 Studding

The Wagner Socket Gives Perfect Results anywhere it is Used. No. 19 will Take a 2x4 or 2x6 equally well, and No. 6 is Used for 2x6 or 2x8 Studding.

Sockets Set in Place on the Set Cement with Holes Filled or Angle Irons Spikes are then Driven Through the Holes in the Bottom Into the Cement.

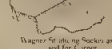
When the Cement is Hard, Toolsets are Inserted Between the Lugings "B" and are Bored or Screwed Solidly Into Place Through the Three Holes in the Side.

Wagner Studding Sockets as used for Corner

For Cuts on the Studding as Set in the Wagner Socket, two inches Away from the Corner and the Corner Open then Socket or cloth to Hold the Studding, when Brought Flush with the Edge and the Rough or Wrong Sides Corner then will Set on Studs or Stringers.

These Sockets are Made of Tough, not Galvanized with Right Rods Zinc Spelter and are Heavy Rust Resisters. No. 25 is the Same Type of Socket as No. 19, but is Somewhat Heavier and Larger being Intended for Buildings, Barns and Large Buildings where Rather 2x6 or 2x8 Studding is Used.

No. 25 is the same as No. 19, Except It Is Made Without the Elbow or Angle that Extends Down into the Cement and is Intended for Bolting the Studding of Partitions where no Strong



No. 25
Showing Socket on Steel Joists

Beam is not Required as for the Outside Frame of a Building. It is Set on Top of the Fresh Cement and Irons Held by Studding.

		Per Dozen
No. 19	Wagner Studding Sockets, for 2x4 or 2x6 Studding. Weight per dozen, 20 lbs.	$1.80
No. 6	Wagner Studding Sockets, for 2x6 or 2x8 Studding. Weight per dozen, 3 lbs.	2.80
No. 25	Wagner Studding Sockets, for 2x4 or 2x6 Studding. Weight per dozen, 30 lbs.	2.70

Painted Brown. Take No. 8 Screws Furnished with Each Socket.

"DIAMOND EDGE IS A QUALITY PLEDGE."

HUNTING KNIVES, DAGGERS AND CANTEENS.

JUNIOR HIKE CANTEEN.

No. 99—Brown khaki cover and strap. Capacity 1 pint, w't per doz. 5¼ lbs. ..... per dozen JGBJ $12.00

For camping, hiking, hunting, fishing, boating, golfing, bicycling, automobiling, scouting, etc. Also for farmers in the field and miners in the mine. It is the official Boy Scout canteen.

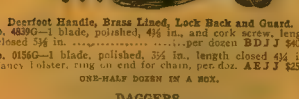
KNIVES.

No. 400-G—Scored cocobola handle, 6 in. polished and swaged blade, **without sheath** .....per dozen AHJ $3.00

No. 1784G—Genuine deerfoot handle, solid steel guard and metal bolster, 6 in. silver steel blade, **with sheath**, per dozen .....JFFJ $11.00

ONE-HALF DOZEN IN A BOX.

GERMAN, FOLDING.



Deerfoot Handle, Brass Lined, Lock Back and Guard.

No. 4839G—1 blade, polished, 4⅛ in., and cork screw, length closed 5⅜ in. .....per dozen BDJJ $40.00

No. 0156G—1 blade, polished, 3½ in., length closed 4¼ in., fancy bolster, ring on end for chain, per doz. AEJJ $25.00

ONE-HALF DOZEN IN A BOX.

DAGGERS.

No. 120PG—Solid pearl handle, German silver ferrule and guard, 4 in. double edge, orocus polished blade, leather sheath ..... per dozen AHJJ $30.00

ONE-HALF DOZEN IN A BOX.

KNIVES.

No. 7803G—Extra finish, finest quality, scored ebony handle, metal bolster, 6 in. polished and swaged blade, **without sheath** .. .. per dozen CIJ $6.50

Stag Handle, German Silver Guard, Hand Forged Crucible Steel Blade. Crocus Polished, Leather Sheath.

No. 7374-G—4 in. blade, clip point, per dozen ..... JGBJ $12.00

No. 7375-G—5 in. blade, clip point, per dozen ..... JGHJ 13.00

No. 7376-G—6 in. blade, clip point, per dozen ..... JICJ 15.50

No. 1194G—Deerfoot handle, nickel bolster, brass guard, 7 in. clip point blade, leather sheath, per dozen ..... AIBJ $32.00

Laminated Leather Handle, Hard Rubber and Brass Bands, Buck Horn Butt, Hand Forged Crucible Steel Blade, Full Hollow Ground, Clip Point, Long Russet Leather Sheath.

No. 1827-G—Blade, in.	5	6
Per dozen	$36.00	41.00
	BDJJ	BEHJ

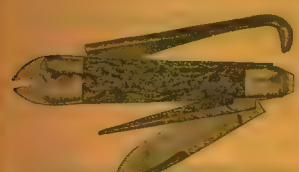
ONE-HALF DOZEN IN A BOX.

HUNTING AND CAMPING KNIVES.

COMBINATION KNIVES.

No. 794SRG—Six Tools, 1 large blade, 1 small blade, 1 can opener, 1 corkscrew, 1 punch, 1 combination screw driver and tack claw, polished, red fibre handle, with large head, German silver rivets, brass lined, 3½ in. closed, per dozen ..... **AFBJ** $27.00

No. 794BG—Six Tools, 1 large blade, 1 small blade, 1 can opener, 1 corkscrew, 1 punch, 1 combination screw driver and tack claw, polished, black fibre handle with large head, German silver rivets, brass lined, 3½ in. closed, per dozen ..... **AFBJ** $27.00



No. 3HG—Five Tools, 1 large blade, 1 punch, 1 screw driver, 1 hoof cleaner, 1 combination pincher and iron cutter, glazed, stag, brass lined, 4¼ in. closed.....per dozen **ABFJ** $21.00

HALF DOZEN IN A BOX.

OUR VERY BEST, FOLDING.

One Blade, Glazed, 4¼ Inches, Iron Lined, Length Closed 5½ Inches.

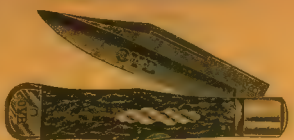
No. 144G—Cocoa handle, single bolster, per dozen ..... **JHDJ** $16.00

No. 145G—Cocoa handle, double bolster, per dozen ..... **JIJJ** 15.00

No. 146G—Stag handle, double bolster, per dozen ..... **JIFJ** 16.00

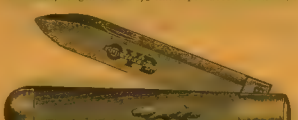
ONE-HALF DOZEN IN A BOX.

OUR VERY BEST, FOLDING.



Lock Back.

No. 156G—1 blade, half polished, 4½ in., stag handle, brass lined, length closed 5½ in.....per dozen **AFBJ** $27.00



Lock Back.

No. 127G—1 blade, glazed, 3¾ in., cocoa handle, brass lined, length closed 3½ in. .....per dozen **AJHJ** $18.00

Lock Back.

No. 143G—1 blade, full polished, 3½ in., stag handle, brass lined, length closed 4½ in... per dozen **AJHJ** $18.00

THE ONLY OFFICIAL BOY SCOUT KNIVES.

No. 1G—1 large blade, 1 Harrison punch, 1 can opener, 1 combination screw driver and bottle opener, polished, stag handle, with German silver shield, stamped "Be Prepared," brass lined with large German silver shackle for attaching to the belt, 3½ in. closed, per dozen ..... **AJHJ** $18.00

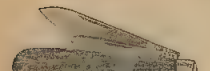
No. 2G—2 blades, polished, ebony handle with German silver shield, stamped "Be Prepared," brass lined, larger German silver shackle for attaching to the belt, 3½ in. closed, per dozen ..... **DHJ** $8.00

HALF DOZEN IN A BOX.

POCKET KNIVES

I*XL, GEORGE WOSTENHOLM & SON, SHEFFIELD, ENGLAND

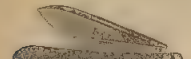
ONE AND TWO BLADE JACKS



Regular Jack Pattern. Length 3¾ inches, Polished Steel Flush Backsprings, One Large Spear and One Small Pen Blade, Glazed Iron Lining, No Shield. Weight per Dozen 2½ lbs.

Per Dozen

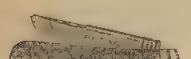
No. B7601—Genuine Stag Handle $18 00



Regular Jack Pattern. Length 3¾ inches, **Black Japanned Iron Handle**, Polished Flat Tail Bolsters, Glazed Blades, Iron Lining, No Shield. Weight per Dozen 2½ lbs.

Per Dozen

No. B5615—One Large Spear, one Small Pen Blade $10 00
No. B5615 One Large Clip, one Small Pen Blade 10 00
Five Dozen In a Box

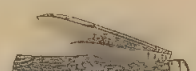


Regular Jack Pattern. Length 3¾ inches, Polished Steel, No Tail Bolsters, Cut Large Sheeps Foot, Glazed, Cushion, No Shield, Weight per Dozen 1½ lbs.

Per Dozen

No. B1375G—Black Japanned Iron Handle $9 00

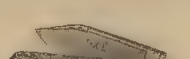
Half Dozen in a Box



Gen Stock Pattern, Length 3¾ inches, Polished Steel Rat Tail Bolsters, One Large Spear and One Small Pen Blade, Glazed, Iron Lining, German Silver Shield. Weight per Dozen 2½ lbs.

Per Dozen

No. B17007 Patent Stag Handle $17 00



Regular Jack Pattern. Length 3¾ inches, Black Japanned Iron Handle, Polished Flat Tail Bolsters, Glazed Blades, Iron Lining, No Shield. Weight per Dozen 1½ lbs.

Per Dozen

No. B5615—One Large Spear blade $8 00
No. B5615 One Large Clip blade 6 00
Half Dozen in a Box

Boys' Jack Pattern. Length 3 3/4 inches. No Bolsters. One Large Spear Blade, Glazed Cushion, No Shield. Weight per Dozen 18 ozs.

Per Dozen

No. B69—Black Japanned Iron Handle $2 20

One Dozen in a Box

JOSEPH RODGERS & SONS, SHEFFIELD, ENGLAND

Gen Stock Pattern, Length 3¾ inches, Polished Steel, Rat Tail Bolsters, One Large Spear and One Small Pen Blade, Full Polished, Iron Lining. No Shield. Weight per Dozen 2½ lbs.

Per Dozen

No. A12023 ½—Genuine Stag Handle $14 00

Half Dozen in a Box

Gen Stock Pattern, Length 3¾ inches, Polished Steel, Rat Tail Bolsters, One Large Spear and One Small Pen Blade, Full Polished, Iron Lining. No Shield. Weight per Dozen 2½ lbs.

Per Dozen

No. A12023 ½—Genuine Stag Handle $20 00

POCKET KNIVES

JOSEPH RODGERS & SONS, SHEFFIELD, ENGLAND

TWO BLADE PENS

Gen Stock Pattern, Length 3 inches, Polished Steel, Rat Tail Bolsters, One Large Spear and One Small Pen Blade, Glazed, Iron Lining, German Silver Shield. Weight per Dozen 2 lbs.

Per Dozen

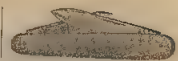
No. A22425 ½ Genuine Stag Handle $14 00

No. A22425P Pearl Handle 21 00

Gen Stock Pattern, Length 3 inches, Polished Steel, Rat Tail Bolsters, One Large Spear and One Small Pen Blade, Glazed, Iron Lining, No Shield. Weight per Dozen 2 lbs.

Per Dozen

No. A12601ST—Genuine Stag Handle $16 00



Sleeve Pattern, Length 3 inches, Polished Steel, Rat Tail Bolsters, One Large Spear and One Small Pen Blade, Full Polished, Iron Lining, No Shield. Weight per Dozen 12 ozs.

Per Dozen

No. A21701Y—Genuine Ivory Handle $5 50

No. A21702P—Pearl Handle $3 00

THREE BLADE PENS

Gen Stock Pattern, Length 3¾ inches, Polished Steel, Rat Tail Bolsters, One Large Spear, One Small Pen and One Sheepfoot Blade, Glazed, Iron Lining, No Shield. Weight per Dozen 2½ lbs.

For Dozen

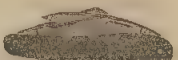
No. A22425 ½—Genuine Stag Handle $24 00

Gen Stock Pattern, Length 3¾ inches, Polished Steel, Rat Tail Bolsters, One Large Spear, One Small Pen and One Sheepfoot Blade, Full Polished, Iron Lining, No Shield. Weight per Dozen 2½ lbs.

Per Dozen

No. A12602T—Patent Stag Handle $26 00

No. A12602P — Pearl Handle $9 00

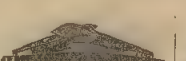


Wharncliffe Pattern, Length 3¾ inches, Polished Steel, Rat Tail Bolsters, One Large Spear and One Small Pen Blade, Full Polished, Iron Lining, No Shield. Weight per Dozen 12 ozs.

Per Dozen

No. A12073ST—Genuine Stag Handle $27 00

FOUR BLADE PENS



Canoe Pattern, Length 3¾ inches, Polished Steel, Rat Tail Bolsters, One Large Sheepfoot, Two Small Pen and One Pen Blade, Glazed, Iron Lining, No Shield. Weight per Dozen 18 ozs.

Per Dozen

No. A22645 ½B—Genuine Stag Handle $26 00

Canoe Pattern, Length 3¾ inches, Polished Steel, Rat Tail Bolsters, One Large Sheepfoot, Two Small Pen and One Pen Blade, Full Polished, Brass Lining, No Shield. Weight per Dozen 18 ozs.

Per Dozen

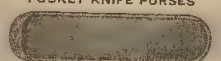
No. A22645P—Pearl Handle, . . $30 00

Sleeve Pattern, Length 3¾ inches, Polished Steel, Rat Tail Bolsters, One Large Sheepfoot, Two Small Pen and One Pen Blade, Full Polished, Iron Lining, No Shield. Weight per Dozen 18 ozs.

Per Dozen

No. A22645 ½TOB—Genuine Stag Handle $30 00

POCKET KNIFE PURSES



Slip End, Cabalon Covered Coiners. Size Stretched

Nos.	W3	W4½
Length, Inches	3	3½
Weight per Gross, Lbs.	2	2½
Per Gross	$14.40	14.40

Sixth Gross in a Box

Clasp End, Deah Chamois Skin Silk Stitched

Nos.	KS3	KS3½	KS4	KS5
Length, Inches	3	3½	4	5
Weight per Gross, Lbs.	2	2	2	3
Per Gross	$18.00	18.00	18.00	18.00

Glove Fastener, Calfskin Assorted Colors, Silk Stitched

Nos.	RB3	RB3½	RB4	RB5
Length, Inches	3	3½	4	5
Weight per Gross, Lbs.	1½	1½	2	2½
Per Gross	$14.40	14.40	14.40	14.40

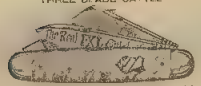
Quarter Gross in a Box

"DIAMOND EDGE IS A QUALITY PLEDGE"

POCKET KNIVES

I*XL GEORGE WOSTENHOLM & SON, SHEFFIELD, ENGLAND

THREE BLADE CATTLE



Red Cattle Pattern, Length 3¾ inches, German Silver Flush Bolsters, One Large Spear, One Small Sheep Foot and One Small Pen Blade, Full Polished and Etched Brass Lining, German Silver Shield, Weight per Dozen 2¼ lbs.

Per Dozen

No. B16238—Pareza Stag Handle $25 00
No. B16239—Pearl Handle 30 00

Cattle pattern, Length 3¾ inches, German Silver Flush Bolsters, One Large Spear and One Small Pen Blade, Polished Brass Lining, Nickel Silver Shield, Weight per Dozen 2¼ lbs.

Per Dozen

No. B2025 Patent Stag Handle $27 00

Premium Stock Pattern, Length 3½ inches, German Silver Scored Bolsters, One Large Clip, One Large Sheep Foot and One Large Spaying Blade, Glazed and Etched Brass Lining, German Silver Shield, Weight per Dozen 2½ lbs.

Per Dozen

No. B2221 Patent Stag Handle $30 00

Serpentine Stock Pattern, Length 3¾ inches, German Silver Scored Bolsters, One Large Spear, One Large Sheep Foot and One Large Spaying Blade, Glazed and Etched Brass Lining, German Silver Shield, Weight per Dozen 2 lbs.

Per Dozen

No. B17852—Patent Stag Handle $30 00

Serpentine Stock Pattern, Length 3¾ inches, German Silver Scored Bolsters, One Large Clip, One Large Sheep Foot and One Large Spaying Blade, Glazed and Etched Brass Lining, German Silver Shield, Weight per Dozen 2¼ lbs.

Per Dozen

No. B2232 Patent Stag Handle $36 00

Half Dozen or a Box

CORN

Corn Knife, Length 3¼ inches Unstamped, One Large Corn Blade, Full Polished and Etched Brass Lining, Weight per Dozen 2 lbs.

Per Dozen

No. B2232½ Ivory Handle $15 00

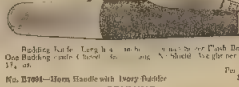
OFFICE

Office Knife, Length 3¾ inches Unstamped, One Large Spear and One Sheep Blade, Glazed, Brass Lining, No Shield, Weight per Dozen 20 ozs.

Per Dozen

No. B16585 White Cattle Bone Handle $19 00
No. B16706G Brown Mottled Celluloid Handle 14 00

BUDDING



Budding Knife, Length 3¼ inches, Stag Sheep Foot Blade, One Budding Blade Glazed, Brass Lining, No Shield, Weight per Dozen 3½ ozs.

Per Dozen

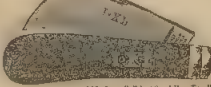
No. B17094—Horn Handle with Ivory Paddle $15 00

PRUNING

Wharncliffe Pruning Pattern, Length 3¾ inches, Polished Steel Rat Tail Bolsters, One Large Pruning and One Budding Blade Full Polished, Brass Lining, German Silver Shield, Weight per Dozen 2 lbs.

Per Dozen

No. B17091 Patent Stag Handle $21 00



Pruner Pattern, Length 4½ inches, Polished Steel Rat Tail Bolsters, One Large Pruning Blade, Glazed, Brass Lining, No Shield, Weight per Dozen 3½ ozs.

No. B13833 Japanned Iron Handle $10 50

POCKET KNIVES

I*X L GEORGE WOSTENHOLM & SON, SHEFFIELD, ENGLAND

TWO BLADE JACKS

Gun Stock Pattern, Length 3¼ inches, German Silver Knurled Bolsters and Plain Flush Caps, One Large Spear and One Small Pen Blade, Full Polished, Brass Lining, German Silver Shield, Weight per Dozen 1½ lbs.

Per Dozen

No. B17006—Patent Stag Handle $23 00

Length 3¼ inches, German Silver Flush Bolsters, No Caps, One Large Spear and One Small Pen Blade, Full Polished, Brass Linings German Silver Shields, Weight per Dozen 1½ lbs.

Per Dozen

No. B17002—Patent Stag Handle $15 00

Length 3¼ inches, German Silver Flush Bolsters and Caps, One Large Spear and One Small Pen Blade, Glazed, Brass Linings German Silver Shield, Weight per Dozen 1½ lbs.

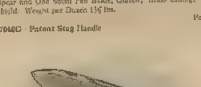
Per Dozen

No. B17040C—Patent Stag Handle $15 00

Gun Stock Pattern, Length 3½ inches, Polished Steel Rat Tail Bolsters and German Silver Flush Caps, One Large Spear and One Small Pen Blade, Glazed, Brass Lining, German Silver Shield, Weight per Dozen 2½ lbs.

Per Dozen

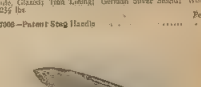
No. B17008—Patent Stag Handle $15 00



Length 3½ inches, German Silver Flush Bolsters and Caps, One Large Spear and One Small Pen Blade, Glazed, Brass Lining German Silver Shield, Weight per Dozen 2½ lbs.

Per Dozen

No. B17031—Patent Stag Handle $18 00



Anglo-Saxon Pattern, Length 3¼ inches, German Silver Scored Bolsters, One Large Spear and One Small Pen Blade, Glazed, Brass Lining, German Silver Shield, Weight per Dozen 2½ lbs.

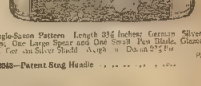
Per Dozen

No. B2048—Patent Stag Handle $16 00

Length 3½ inches, German Silver Flush Bolsters and Caps, One Large Spear and One Small Pen Blade Full Polished, Brass Lining, German Silver Shield, Weight per Dozen 1½ lbs.

Per Dozen

No. B17004—Patent Stag Handle $20 00



Physicians Pattern, Length 3¼ inches, Polished Steel Rat Tail Bolsters and German Silver Nail Cap, One Large Spear and One Small Pen Blade, Full Polished, Brass Linings No Shield, Weight per Dozen 1½ lbs.

Per Dozen

No. B17005—Patent Stag Handle $21 00

Half Dozen or a Box

"DIAMOND EDGE IS A QUALITY PLEDGE"

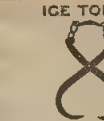
ICE TONGS

Duck Bill Points, Drop Forged Steel, Pointed Ice. Tempered Diamond Points, Swelled Handles

Nos.	1	2	3
Opens to	15	17	24
Length In	16	17	21
Weight Per Box lbs	47	53	70
Per Dozen,	$13.00	22 00	31 00

Loose

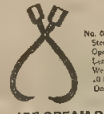
Per Dozen
No. 00—Wrought Steel, 15 & 4 inch, Painted Black. Opens 12 inches. Length 14 inches. Weight per Doz 20lbs $8 00 Loose



Chain Link: Wrought Iron, 15x4 inch Pointed Blacks Round Grip.

Nos.	10	11	12
Opens inches	13	14	17
Length, Inches	15	18	20
Weight, Doz., lbs.	18	25	35
Per Dozen	$8 50	$9 00	$4 00

Loose

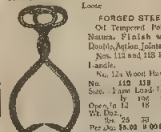


Per Dozen
No. 00—Tinned Flat Steel, 15x3/4 inch Opens 15 inches Length 13 inches Weight per Dozen 18 lbs. $3.00
One Dozen in a Box

LOJOBIN
Self Closing Best Crucible Spring Steel Malleable Iron Handles

Nos.	15	16	17
Opens inches	10	7	21
Length inches	15	17½	19
Weight, Dozen lbs	27	40	45
Per Dozen	$18.00	30.50	33.00

Loose



FORGED STEEL
Of Tempered Points, Nauma Finish with Double Action Joints. Nos. 113 and 118 Plain Handles.
No. 124 Wood Harness Size. Plain Loop Handles
Nos. 113 118 124
Opens to 12 16 24
Wt. Doz. lbs 25 33 45
Per No. $6.00 $ 00 $4.50

ICE CREAM DISHERS

AUTOMATIC
Bowl, Shank and Lever Made of Special Cast Aluminum Legh Clean and Will Not Corrode, German Silver Plated, Polished Hardwood Handle. Pressing the Lever a Scale of Handle Causes Blades to Revolve, Depositing the Cream in the Form or the Dasher Blades are Removable for Cleaning. Cone Center Leaves Depression in Cream for Cherry.

BOWL SHAPE CUP

	Regular			Cone Center		
Nos.	3S6S	3S8S2	3S8S10	1S6S	1S8S2	1S8S10
Dishes to Quart	8	6	5	8	12	16
Diameter Top Inches	3¾	4¼	5	3¾	4¼	5
Depth Inches	1¾	1¾	1¾	1¾	1¾	1¾
Weight per Doz Lbs.	18	18	18	18	18	18
Per Dozen	$33 00	33 00	33 00	$33 00	33 00	33 00

Two in Boxes in a Carton

A Half Turn of the Thumb Piece Revolves the Scrapers Loosening the Cream and Allowing it to Fall Out

CONE SHAPE CUP
Regular

	3S6S	3S8S2	3S8S10
Dishes to Quart	8	12	16
Diameter Top, Inches	3¾	4¼	4¾
Depth, Inches	3¾	4¼	4¾
Weight per Doz. Lbs.	6	6	6
Per Dozen	$33 00	33 00	33 00

1XXX Tin Bowl
German Silver Removable Scrapers Varnished Hardwood Handle

Nos	10QE	11QE	12QE	13QE	14QE
Dishes to Quart	8	9	12	16	20
Diameter Top Inches	3	3¼	3½	3¾	4¼
Depth Inches	3	3¼	3½	3¾	4¼
Weight per Dozen lbs	15	15	15	15	15
Per Dozen	$7 00	7 00	8 00	8 00	8 00

Loose

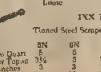
1XXXX Tin Bowl
German Silver Scrapers, Bowl Removable, Tinned Copper Steel Handle

Nos.	16QN	18QN	20QN	16QN
Dishes to Quart	8	8	10	10
Diameter Top Inches	3	3¼	3¾	4¼
Depth Inches	3	3¼	3¾	4¼
Weight per Dozen Lbs.	3	3¼	3¾	4¼
Per Dozen	$4 50	4 50	4 00	5 70

1XX Tin Bowl
Tinned Steel Removable Scrapers Tinned Steel Hoop Handle

Nos	8S	10S	12S	10E	20S
Dishes to Quart	8	10	12	16	20
Diameter Top Inches	3	3¾	3¾	4¼	4¾
Depth Inches	3¾	3¾	3¾	3	3¾
Weight per Dozen Lbs	3	3¼	3¼	3	3½
Per Dozen	$2 60	2 20	2 20	3 00	3.30

Loose



1XX Tin Bowl
Tinned Steel Scrapers, Non Removable

Nos	8N	9N	8N	10N	16N
Dishes to Quart	8	9	8	10	16
Diameter Top in	3¼	3	3¼	3¾	4¼
Depth inches	3	3	3¼	3¾	4¼
Wt. per Doz., lbs	2 50	2 50	2 50	3 00	3 00
Per Dozen	$1.20	1 20	1.20	1 20	1.20

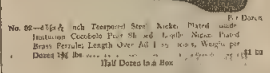
ICE PICKS

DIAMOND EDGE

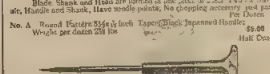
Per Dozen
No. DER—Regular Iceman's Large Handle, 7x7½ Inch Long Taper, Spring Tempered, Polished Steel Blade, 6x1¾ inch Put thru Maple Handle, Nickel Plated Ferrule Weight per Dozen 9½ lbs. $3 90
One Dozen in a Box

DIAMOND EDGE

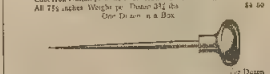
Per Dozen
No. DEH Hoosier Pattern 6½x7 inch Long Taper Spring Tempered, Polished Steel Blade, 5½x1 inch Put thru Maple Handle, Heavy Bottom Ferrule Weight per Dozen 9½ lbs $2 50
One Dozen in a Box



Per Dozen
No. 02—4½x¾ inch Tempered Steel Necks, Plated Handles Instruction Cocobolo Pair Shank Nickel Plated Brass Ferrule, Length Over All 11½ inches, Weight per Dozen 3½ lbs. $1 25
Half Dozen in a Box

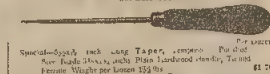


Per Dozen
No. 104—3¾x¾ inch Blued Steel Round Blades Nickel Plated Cast Iron Handles, Tempered Steel Shanks, Length Over All 7½ inches Weight per Dozen 3½ lbs. $4 50
One Dozen in a Box

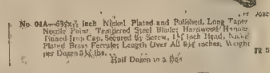


Per Dozen
No. 96—3½x¾ inch Tempered Steel Pointed Blades Length Over All 7 inches, Japanned Solid Iron Handles, Weight per Dozen 6½ lbs. $5 00
One Dozen in a Box

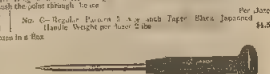
Per Dozen
No. DESTL—St Louis Iceman's Handle 3 x 3½ Inch Long Taper, Spring Tempered, Polished Steel Blade, 4x1¾ inch Plain Rockwood Handle Ferrule Weight per Dozen 11 oz. $3 70
One Dozen in a Box



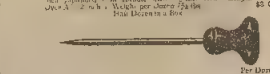
Per Dozen
Special—3x¾ inch Long Taper, Tempered Polished Steel Blade, 2½ inch Plain Hardwood Handle, Tinned Ferrule Weight per Dozen 15½ lbs $1 70
One Dozen in a Box



Per Dozen
No. 01A—6¾x¾ inch Nickel Plated and Polished, Long Taper Needle Point Tempered Steel Blade, Rosewood Handle Tinned Iron Cap, Secured by Screw, 13 inch Braid, Nickel Plated Brass Ferrule, Length Over All 9½ inches, Weight per Dozen 3½ lbs. $2 50
Half Dozen in a Box



Per Dozen
No. 93A Sibling Ice Pick, 4 inch Points Tinned Iron Barbs 2 inches long, Chisel 2½ inches Long, extended 4½ inch Japanned Iron Handle with Leather Ring, Length Over All 9 inches, Weight per Dozen 2½ lbs. $3 00
Half Dozen in a Box



Per Dozen
No. 106—3x¾ inch Japanned Steel Blades Length Over All 7 inches, Japanned Solid Iron Handle, Wt. per Doz 6½ lbs. $3.00
One Dozen in a Box

STANLEY HARWOOD PATTERN

Blade, Shank and Head are formed of one piece of steel. The Tang is driven through the Ferule, Handle and Shank, Have needle points. No chopping necessary just push the point through the ice

Per Dozen
No. A Round Pattern 3½x¾ inch Taper Black Japanned Handles Weight per dozen 2½ lbs. $5.00
Half Dozen in a Box

Per Dozen
No. C—Regular Pattern 3 x ¾ inch Taper Black Japanned Handle Weight per Dozen 2 lbs. $4.50

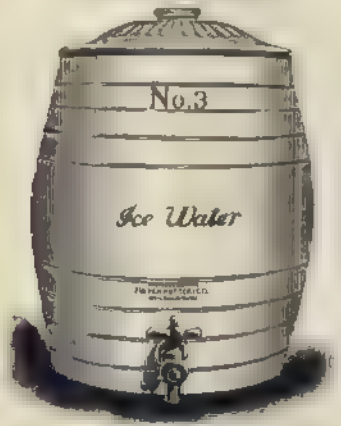
ICE AND STEAK HAMMERS

Per Dozen
No. 8—Tinned Malleable Iron Head Size of Face 1¾x1¾ Inches Length of Head 4 Inches 10 Inch Varnished Hardwood Handle Weight per Dozen 9 lbs. $1 70
One Dozen in a Box

Per Dozen
No. 6—Tinned Malleable Iron Size of Face 1¼x1¾ Inches Length of Head 3¾ inches Length Over All 6½ inches 3 Prongs at End of Claw Weight per Dozen 9 lbs. $1 70
One Dozen in a Box

DIAMOND EDGE IS A QUALITY PLEDGE

WATER COOLERS
FULPER SANITARY



Fulper Stoneware, Heavily Glazed Inside and Out, and Specially Burned to Retain the Cold, with Faucet.

Nos.	2	3	4	5
Gallons	2	3	4	5
Weight Each, Lbs.	11	14½	15½	21
Each $				
Nos.	**6**	**8**	**10**	**12**
Gallons	6	8	10	12
Weight Each, Lbs.	25½	30½	35	43
Each $				

WATER COOLER STANDS
STANDARD

Cast Iron Stand, with Drainer and Drip Pail, Japanned to Match "Puritan" and "Standard" Water Coolers.

Nos.	14	15	16
Diam of Plate, Inches	12⅝	15½	19⅛
Weight Each, Lbs	150	160	175
Each $			

No. 14 is for 1, 2, 3 or 4 gallon water coolers
No. 15 is for 6 gallon water coolers.
No. 16 is for 8, 10, 12 or 14 gallon water coolers.

ICE CREAM DISHERS

GEM

Gem Made of Bronze, Parts that Come in Contact with Cream are German Silver, Nickel Plated. Rosewood Stained Handle.

No. Dishes to Quart	6	8	10	12	16
Per Dozen $					
No. Dishes to Quart		20	24	30	35
Per Dozen $					

CLIPPER

No. 4 Cup Shape, Non Corroding German Silver, Nickeled Solid Bronze Handle, Wood Handle Forced on Square Shank.

No. Dishes to Quart	6	8	10	12	16
Per Dozen $					
No. Dishes to Quart		20	24	30	40
Per Dozen $					

CLIPPER

No. 1—Cup Shape, Non-Corroding German Silver, Nickeled Solid Bronze Handle, Genuine Ebony Handle Piece.

No. Dishes to Quart	6	8	10	12	16
Per Dozen $					
No. Dishes to Quart		20	24	30	40
Per Dozen $					

No. 5—Cone Shape, Non-Corroding German Silver, Nickeled Solid Bronze Handle, Wood Handle Forced on Square Shank.

No. Dishes to Quart	6	8	10
Per Dozen $			
No. Dishes to Quart	12	16	20
Per Dozen $			

ICE CREAM SCRAPERS
CLIPPER
Steel, Heavily Tinned.

	Each
No. 1—For 8 to 25 Quart Cans	$
No. 2—For 25 to 40 Quart Cans	

Saves you four dishes of ice cream to each quart. Scrapes it smooth and improves the appearance of the service. Easily cleaned and adjusted. Not complicated Cannot get out of order.

ICE CREAM SPOONS

Extra Strong, Retinned, Wood Handle.

Nos.	212	214	216	218
Inches	12	14	16	18
Per Dozen $				

Twenty-four Dozen in a Case.

WATER COOLERS

TWENTIETH CENTURY DE LUXE

No. 1570.

The "Twentieth Century De Luxe" is the handsomest water cooler made. The heavily nickel plated metal jacket covers the indurated fibre ice container. Between the fibre ware and the metal jacket is an air space which, together with the fibre ware itself, acts as a double conductor. This saves ice materially, keeping amount used down to a minimum.

With Substantial Leg Stand.

Indurated Fibre Ice Container, Embossed and Highly Polished Nickeled Jacket, White Glazed Porcelain Water Jar, Triple Silver Plated Faucets

Each

No. 1570—Ice Capacity About 15 Lbs., Height without Bottle 37½ in., Diameter 20 in., for 5 Gallon Demijohn, Nickel Plated Steel Stand with Glass Ball Feet, Nickel Plated Drip Cup, without Demijohn ..... $.

Shipping Weight About 30 Pounds.

Low Feet, for Counter or Stand.

No. 1157A—Ice Capacity About 15 Lbs., Height without Bottle 16½ in., Diameter 15 in., for 5 Gallon Demijohn, Nickel Plated Claw Leg Stand with Glass Ball Feet, without Demijohn .

Shipping Weight About 35 Pounds

No. 1157A.

EXTRA FLINT GLASS DEMIJOHNS

Each

No. 5—5 Gallon, for Above Coolers, One in a Carton. Weight Per Carton 15 Lbs.....$.....

PURITAN

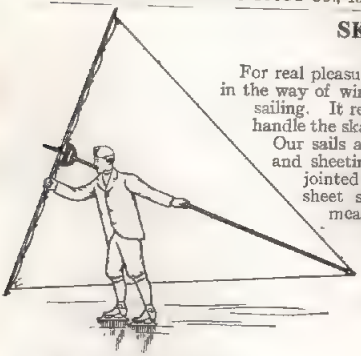
Extra Heavy, Japanned, Extra Finish, Seamless White Enameled Lined, Nickel Plated Lever Faucet.

Nos.	20	30	40
Gallons	2	3	4
Weight Each, Lbs.	14	21	25
Each	$.....	.....	.....
Nos.	80	80	100
Gallons	8	8	10
Weight Each, Lbs.	38	55	60
Each	$.....	.....	.....

STANDARD

Full Capacity, Japanned, Fancy Decorations, Galvanized Lined, Nickel Plated Push Button Faucet.

Nos.	01	02	03	04
Gallons	1½	2	3	4
Weight Each, Lbs.	12	14	21	25
Each	$.....	.....	.....	.. ..
Nos.		06	08	010
Gallons		6	8	10
Weight Each, Lbs.		38	55	60
Each		$.....	.....	.....



SKATE SUNDRIES

SKATE SAILS

For real pleasure and excitement there is nothing in the way of winter sports that can equal to skate sailing. It requires a little skill and practice to handle the skate sail but it is an art easily acquired. Our sails are made in two grades, balloon silk and sheeting. With each sail we furnish two jointed spars. Silk sails weigh 1⅜ lbs., sheet sails 3 lbs., poles 3½ lbs., sails measure about 9 ft. from top to bottom and 10 ft. wide across.

No. **BS.** Balloon silk sail complete with poles **$7.50**
No. **SS.** Special sheeting sail, complete with poles **4.50**
Sail only, silk..... **5.00**
Sail, only sheeting..... **2.00**
Poles only, jointed bamboo **2.50**

SKATE BLADE SCABBARDS

These scabbards are intended to protect the blades of racing and hockey skates when not in use, or when walking to and from the ice.

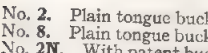
Style A

No. **A.** All leather, for racing skates with 14, 15 or 16 inch blades. Per pair.**$.75**
No. **H.** All leather, for hockey skates. Per pair..... **.75**
No. **TG.** Detachable toe guards for rink racing, (tubular) skates, aluminum finish. Pair.....**$.25**

TUBULAR SKATE HOLDERS

A wood rack for holding tubular racing or hockey skates. It was designed principally for use in sharpening skates, but it is an excellent way of keeping skates when not in use. The rack is strong, well made and serviceable.

No. **35.** Skate sharpening rack.....Each **$1.00**
No. **36.** Combination India sharpening stone, size 7x2x1 ins.....Each **1.00**



Plain Buckle

SKATE STRAPS

Leather Straps

Patent Buckle

SKATE STRAPS

No. **2.** Plain tongue buckle, russet or black 20 inch. Pair **$ .10** Delivered $ 13
No. **8.** Plain tongue buckle, russet or black, 28 inch. Pair **.15** Delivered .18
No. **2N.** With patent buckle which requires no holes in strap, and is quickly and permanently fastened at any point, and as quickly released. Russet or black, 20 in. Per pair.....**$ .20** Delivered .23
No. **8N.** Russet or black, patent buckle, 28 in. Per pair.. **.25** Delivered .28

Web Straps

These straps are made of heavy webbing and are fitted with a patent buckle that can be fastened firmly at any point. Many prefer them to the leather strap as they do not become stiff and crack in cold weather. Are very strong.

No. **WS.** 20" long. Per pair...**$ .10** No. **WL.** 30" long. Per pair..**$ .15**

Delivery Prepaid in U. S. if Cash is Sent with Order at Above Prices

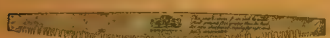
SAWS.

CROSS-CUT SAWS.

GVB Diamond Tooth, Lone Star Pattern, 14 to 18 Gauge, High Grade Spring Steel, Extra Thin Back, without Handles.

No. 205 **GVB** Feet	5	5½	6	6½
Wt. lbs	3	3	3	6
Each	$3.20	3.40	3.60	3.80
	BAJ	BCJ	BEJ	BGE

6 ft. saws have 5½ in. centre.



GVB Perforated Lance Tooth, 14 to 19 Gauge, High Grade Spring Steel, without Handles.

No. 215 **GVB**—Feet	5	5½	6	6½
Wt. lbs	4½	5½	5½	7½
Each	$4.50	5.00	5.40	5.80
	CJJ	CCE	CFJ	CIJ

PERFORATED LANCE TOOTH CROSS-CUT SAW.

DISSTON'S, Spring Steel, Extra Thin Back, Graduated from 14 to 18 Gauge, without Handles.

No. 16—Feet	5½	6	6½
Wt. lbs	3½	4	5
Each	$4.40	4.80	5.20
	BIE	CBJ	CDE

SIMONDS' CRESCENT GROUND CROSS-CUT SAWS

Cast Steel, Polished, 14 to 19 Gauge, without Handles.

No. 13—Feet	4½	5	5½	6	6½
Wt. lbs	3½	4	5	6½	8½
Each	$2.40	2.60	2.80	3.00	3.20
	BFJ	CAJ	CFE	DBE	DIJ

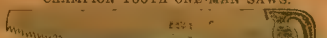
ONE MAN CROSS-CUT SAWS.

Simonds, One Man, Cast Steel.

No. 273 Feet	3½	4	4½
Wt. lbs	4	5	6
Each	$3.00	3.40	3.80
	BEJ	BIJ	CBE

Each gauge, all along the cutting edge, is scratch tapered from cutting edge to back.

CHAMPION TOOTH ONE-MAN SAWS.

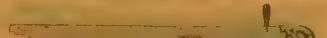


GVB

Spring Steel, Patent Ground and Tempered, Polished, Extra Wide Blade, Nickel Plated Screws, with Supplementary Handle.

No. 220 **GVB** Ft.	2½	3	3½	4	4½	5
Wt. lbs	2½	3	3½	4	5	6
Each	$2.40	2.65	3.00	3.50	4.00	4.45
	AAE	ADJ	AFJ	AHJ	BJE	BCJ

ONE-QUARTER DOZEN IN A BUNDLE.



RAPID

Cast Steel, Polished, with Supplementary Handle.

No. 21 **RAPID** Ft	2½	3	3½	4	4½	5
Wt. lb	3	3½	4	5½	6	6½
Each	$2.25	2.45	2.60	3.00	3.35	3.70
	AJE	ABE	AEJ	AGJ	AIJ	BAJ

No. 23 Disston's—

Each	$2.25	2.25	2.60	3.00	3.35	3.70
	AAE	ADJ	AFJ	AHJ	BJE	BCJ

ONE-QUARTER DOZEN IN A BUNDLE.

COMMON TOOTH ONE MAN SAWS.

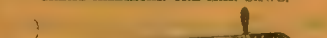
GVB

Spring Steel, Patent Ground and Tempered, Polished, Extra Wide Blade, Nickel Plated Screws, with Supplementary Handle.

No. 230 **GVB**—Feet	3½	4	4½
Wt. lbs	3½	5	6
Each	$3.10	3.50	4.00
	AFJ	AHJ	BJE

ONE-QUARTER DOZEN IN A BUNDLE.

GREAT AMERICAN ONE-MAN SAWS.

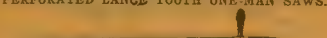


DISSTON'S, Cast Steel, Polished, with Supplementary Handle.

No. 25 Feet	3	3½	4	4½	5
Wt. lbs	3	4	5½	6	7½
Each	$2.55	2.85	3.25	3.65	4.10
	ADJ	AFE	AIJ	BAJ	BCE

ONE-QUARTER DOZEN IN A BUNDLE.

PERFORATED LANCE TOOTH ONE-MAN SAWS.

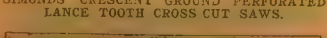


DISSTON'S, Spring Steel, Polished, with Supplementary Handle

No. 27 Feet	3½	4	4½
Wt. lbs	3½	5	6
Each	$3.10	3.50	4.00
	AGJ	AIJ	BAJ

ONE-QUARTER DOZEN IN A BUNDLE.

SIMONDS' CRESCENT GROUND PERFORATED LANCE TOOTH CROSS CUT SAWS.



Cast Steel, Polished, 14 to 19 Gauge, without Handles.

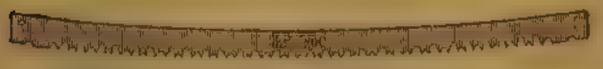
No. 22 Feet	5	5½	6	6½
Wt. lbs	5	6	6	7
Each	$4.11	4.60	5.00	5.40
	CAJ	CFE	DBE	DIJ

CROSS-CUT SAWS.

HOLLOW BACK, CHAMPION TOOTH.

Finest Crucible Steel, Specially Hardened and Tempered, Taper-Ground, Polished, Without Handles.

No. 210 —Feet	5	5½	6	6½
W't, lbs.	3½	4	4½	5
Each	$1.80	1.98	2.16	2.34
	AAJ	ABJ	ACJ	ADJ



Cast Steel, Polished, without Handles.

No. 7—Feet	5	5½	6	6½
W't, lbs.	3½	4	4½	5
Each	$1.80	1.98	2.16	2.34
	AJJ	AAJ	ABJ	ACJ

DISSTON'S Cast Steel, Polished, Without Handles.

No. 8—Feet	5	5½	6	6½
W't, lbs.	3½	4	4½	5
Each	$1.80	1.98	2.16	2.34
	AAJ	ABJ	ACJ	ADJ

CHAMPION TOOTH.

Cast Steel, Polished, Thin Back, Graduated from 14 to 16 Gauge, without Handles.

No. 9—Feet	5	5½	6	6½	7
W't, lbs.	7½	8	8½	9	9½
Each	$3.30	3.30	3.60	3.90	4.20
	AGE	AIJ	BAJ	BBG	BDE

DISSTON'S, Cast Steel, Polished, Thin Back, Graduated from 14 to 18 Gauge, without Handles.

No. 2—Feet	5	5½	6	6½
W't, lbs.	6¼	7	8	9½
Each	$3.00	3.30	3.60	3.90
	AGE	AIJ	BAJ	BCJ

DISSTON'S, Cast Steel, Polished, Extra Thin Back, Graduated from 14 to 18 Gauge, without Handles.

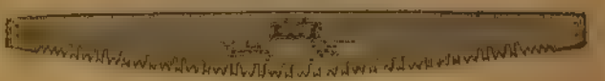
No. 1—Feet	5	5½	6	6½
W't, lbs.	5¼	6½	7	7½
Each	$3.25	3.57	3.90	4.22
	AHE	BJE	BBE	BDJ

COMMON TOOTH.

DISSTON'S, Cast Steed Patent Ground, without Handles.

No. 6—Feet	4	4½	5	5½	6
W't, lbs.	3	3½	4	5	6
Each	$2.40	2.70	3.00	3.30	3.60
	ADE	AFE	AHE	BJJ	BBJ

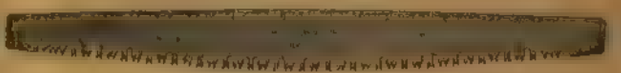
TUTTLE TOOTH.



Finest Crucible Steel, Especially Hardened and Tempered, Taper-Ground, Polished, Graduated 14 to 19 Gauge, without Handles.

No. 200 Feet	5	5½	6	6½
W't, lbs.	5	6	6¾	7½
Each	$3.90	4.20	4.50	4.85
	BBJ	BDE	BFE	BIJ

The foundation of these saws is a special process steel, carefully inspected and tested in order to insure uniformity. Great care has been given to hardening and tempering to secure the proper degree of hardness and toughness.



DISSTON'S, Tuttle Tooth, Spring Steel, Extra Thin Back, Graduated from 14 to 19 Gauge, without Handles.

No. 3—Feet	5	5½	6	6½
W't, lbs.	4½	5½	6¾	7½
Each	$3.90	4.20	4.50	4.85
	BBJ	BDE	BFE	BIJ

ATKINS', Cast Steel, Graduated from 14 to 18 Gauge, without Handles.

No. 4—Feet	5	5½	6	6½
W't, lbs.	5	6	7	7¾
Each	$2.60	2.86	3.12	3.38
	AHE	BJE	BBE	BDE

ATKINS', Cast Steel, Graduated from 14 to 19 Gauge, without Handles.

No. 5—Feet	5	5½	6	6½	7
W't, lbs.	5	5½	6¼	7¾	9
Each	$3.10	3.36	3.62	3.88	4.15
	BBE	BDJ	BFJ	BHJ	CJJ

DIAMOND.

ATKINS', Special Steel, Diamond, Graduated from 14 to 18 Gauge, without Handles.

No. 11—Feet	5	5½	6	6½
W't, lbs.	4½	5½	7¼	7¼
Each	$3.00	3.30	3.60	3.90
	BAE	BDJ	BFJ	BHJ

LANCE TOOTH.

ATKINS', Perfection, Silver Steeel, Perforated, Lance Tooth, 14 to 20 Gauge, Medium Width, Four Cutting Teeth to Each Raker, without Handles.

No. 14 Feet	5	6	6½
W't, lbs.	5	6	7
Each	$3.30	3.60	3.90
	CDE	DJE	DFJ

This saw is especially adapted for hard wood and timber.

BELLS AND BUZZERS.

H7641 H7643, H7645 H7646

H7641 – Buzzer. Iron box. Each 20c

H7643 – Bell. Iron box. 3 in. Each 21c

H7645 – Bell. Iron box. 3 in nickel plated gong. 1 in box... Each, 22c

H7646 – Bell. Iron box. 4 in. nickel plated gong. 1 in box... Each, 31c

H7642 – Bell. Iron box. 2½ in. tea gong. 1 in box... Each, 42c

BELL OUTFITS.

H7650 – Iron box bell, 3½ in. gong, dry battery, 6 ft. insulated wire, push button and staples. 1 set in box... Set, 72c

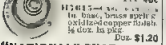
H7654 – Iron box bell, 3½ in. gong, dry battery, door trip, 50 ft. insulated wire, staples. For store doors, to warn storekeeper when door is being opened. 1 set in box... Set, 95c

PUSH BUTTONS.

H7644 H7645

H7614 – Stamped metal 2½ in. base, open spring, oxidized copper top. 1 doz. in box... Doz. 45c

H7617 – Same as above, but with long spring. 1 doz. in box... Doz. 48c



H7615 – Same as above, but with 2 in. brass spring and oxidized copper finish to top. 1 doz. in pkg... Doz. $1.20

"NATIONAL" SNAP SWITCHES.

H7619 H7617

Non-Indicating.

H7619 – 5 A. 250 volts, 10 in box. Each 12c

H7617 – 10 A. 250 volts, 10 in box. Each 22c

Indicating – 5 A. 250 volts, 10 in box. Each 14c

PLUGS, SWITCHES, ETC.

Fuse Plugs Split Knob Separable Plug

Fuse Plugs—Edison. 1 doz. in pkg.

H6330—15 amperes... Doz. $0.30

H6770—10 " ... "

H6340—20 " ... "

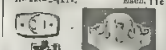
Split Knobs—Porcelain, 6 dz. in pkg.

H6344—No. 8... Doz. $0.12

H6345—Large size... " .18

Separable Plug—Porcelain, long contact point, 10 in box.

H6346—Small... Each, 11c

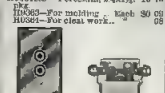


H6304 H6305

Rosettes—Porcelain, 2-wire. 10 in pkg.

H6363—For molding... Each 30 09

H6361—For cleat work... " .08

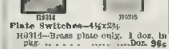


H6314 H6315

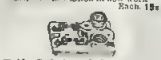
Plate Switches—4½x2¾.

H6314—Brass plate only. 1 doz. in pkg... Doz. 96c

H6315—Shallow base outfit, complete with switch, porcelain base on and off switch. For use with H6314 plate. Each, 28c

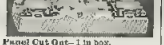


H6316 – Wall Loop sheet steel (41) ... with brass ... for ... and ... 1 doz. in box ... Doz. 36c



Knife Switch and Fuse Block—1 in box.

H6318—Entrance switch and fuse ... 39c



Panel Cut Out—1 in box.

H6401—Double branch... Each, 87c

Fishing Receptacles—Edison base. 6 in box.

H6404—Plain type... Each, 30 18

H6405—Switch type... " 1.

Rubber Socket Bushing—100 in ... H6406—Size ... Per 100, 35c

APPROVED STANDARD SOCKETS.

Extra heavy brass brass.

Keyless Key

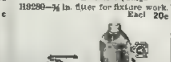
Keyless—10 in box.

H6387—¾ in. fitter. Each, 15c

Key—10 in box.

H6388—¾ in. fitter. Each, 16c

H6389—¾ in. fitter for fixture work. Each 20c



Pull Chain Push

Pull Chain—

H6390—6 in. fitter, 10 in box. Each 31c

H6391—8 in. " ... " 33c

H6749—Best New Model Locking Socket—Keyless, ¾ in. fitter brush holder, 10 in box. Lots of 50 each, 13c Each, 14c

Inside Inside

H6393 "Bluebell" Keyless Wall Socket—Extra heavy brush brass. In box... Each 14c

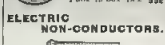
H6394 – ½ in. Locking Key Socket... Each 14c

Key used only when inserting or taking out lamp. In box. Each 32c

PENDANT SNAP SWITCH.

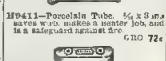
H6313—Polished brass quick break inner style. 10 in box. Each 28c

ELECTRIC SWITCH.



H7000—1 point, oxidized finish. 2½ in. Wrapped. 1 doz. in box... Each 55c

ELECTRIC NON-CONDUCTORS.



H6411—Porcelain Tube, ¾ x 3 inches when made to order, 6 in box. Each 72c

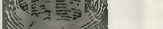
H6416 – Porcelain Cleat, 2 wire, 4 in. ... Per pair, $1.85

H6417—Porcelain ... Per pair, $2.00

ELECTRIC WIRES.

Will positively stand the insurance Underwriters' inspection. Not less than 100 ft. sold.

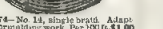
H6374—No. 14, single braid. Adapted for outside work. Per 100 ft. $1.00



H6375—Rubber covered... No. 14 ... rubber covered. Will positively stand the insurance Underwriters' inspection. Per 100 ft. ... $2.25

H6370—No. 18, twisted green cotton. Per 100 ft... $1.50

H7371 No. 18, twisted green silk. Per 100 ft. $2.25



H6376 and H6373

H6373—No. 18, green silk parallel. Per 100 ft. $2.50

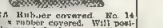
H6375—No. 18, reinforced braid double strand. Specially adapted for drop lights... Per 100 ft. ... $2.60

AUTOMOBILE IGNITION CABLE.

H7600—Primary or low tension. Forty 30-gauge tinned copper wires, insulated with high grade rubber, braided with cotton cover. 100 ft. in coil (100 ft. ... $3.25

ANNUNCIATOR WIRE.

Double cotton, wrapped, waxed and parafined.

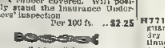


H7607—No. ... gauge ... 105 ft. in 1 lb. coil... Lb. 26c

H7604—18 gauge, about 155 ft. in 1 lb. coil... Lb. 27c

H7605—18 gauge, double, about 95 ft. to 1 lb. coil... Lb. 27c

STAPLE ELECTRIC ACCESSORIES.

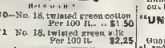


H6432 H6411

H6432—Solder Paste, 2 oz. can. CAN, 13c

H7611—Friction Tape, ¾ in., about 60 ft. to 1 lb. coil... Per roll, 7c

1 doz. rolls in pkg... Doz. rolls, 78c



H6394—Friction Tape, ¾ lb. roll... Roll, 16c

FANS

"IDEAL" DRY BATTERY FAN.

H7715—9 in. ... with guard, japanned base, 4 ordinary dry batteries will operate fan consecutively from 25 to 30 hrs. Without battery. 1 in box. Each $5.00

"UNIVERSAL" DESK OR BRACKET FANS.

Guaranteed 3-speed regulator, switch and two-piece feature which permits air to be thrown in any direction. Polished brass blades and guard, japanned base. Each in box without cord. Do not return without obtaining our consent. We positively will not accept returns after August 1.

Direct Current—110 volts Each

H7715—8 in. ... $7 50

H7716—12 " ... 8 50

H7718—16 " ... 12 00

Alternating Current—60 cycles

H7714—8 in. ... Each $ 7 00

H 11 in. ... 10 00

H 16 in. ... 12 25

"Universal" Oscillating Fans.

Swivel adjustment for switching from ... to ... in different ...

Direct Current 110 volts

H ... Each, $17 85

H ... 18 00

Alternating Current—60 cycles

H7 ... Each, $18 25

H7 ... " 19 50

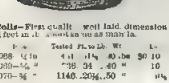
Mohair Covered Cord.

H7724 10 ft. cord with plug. For ... Length 65c

ROPE

SISAL & MANILA Three excellent brands that give satisfaction

"CHAMPION" SISAL ROPE.



Full Coils—First quality well laid dimension and feet in each ... as many lb.

	Size.	Tested Ft. to Lb.	Wt.	Lb.
H5008	¼ in.	441 lbs.	40 lbs.	$0 10
H5010	⅝ "	738	40 "	10
H5070	⅜ "	1146	250 ... 50 "	12½

Half Coils—As above.

	Size.	Tested Ft. to Lb.	Wt.	Lb.
H7067	½ in.	1875	35 "	$0 08
H7677	⅝ "	1875	1125 40 "	9
H7671	¾ "	2460	1230 40 "	10½
H7674	⅞ "	3040	7 ... 110 "	8½

"HERCULES" MANILA ROPE.

Full Coils—Pure Manila hemp.

	Size.	Tested Ft. to Lb.	Wt.	Lb.
H5054	¼ in.	441 lbs.	40 lbs.	$0 14
H5056	⅜ "	800 "	40 "	14
H5058	½ "	1000 "	24 ... 50 "	18½

Half Coils—As above

	Size.	Tested Ft. to Lb.	Wt.	Lb.
H5057	⅜ in.	1200 lbs.	25 lbs.	$0 13
H5053	½ "	1800 "	13 ... 40 "	13
H5059	⅝ "	3000 "	7 ... 75 ... 90 "	12½
H5060	¾ "	4000 "	6 ... 110 "	12½

"SAMPSON" MANILA ROPE.

Full Coils—Sizes run uniform. Not heavily oiled.

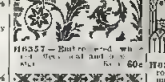
	Size.	Tested Ft. to Lb.	Wt.	Lb.
H5061	¼ in.	600 lbs.	45	30 lbs.	$0 13
H5062	⅜ "	1400 "	40	40 "	13
H5063	½ "	2600 "	7 ... 75	90 "	12½
H5064	⅝ "	3600 "	6 ... 110 "	12½

Half Coils—As above

	Size.	Tested Ft. to Lb.	Wt.	Lb.
H5094	¾ in.	1000 lbs.	45	15 lbs.	$0 13
H5065	½ "	1800 "	13	40 "	13
H5066	⅝ "	3000 "	7 ... 75	90 "	12½
H5067	¾ "	3400 "	6	110 "	12½

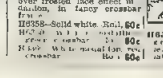
★ Prices marked with a star (as ★80) are "special" for the current month—SEE "STIMULATOR" PAGES

"VITROPHANE" ART GLASS DECORATION



H6356—White net effect. Roll, 60c

H6357—Rust red and white net effect. Roll, 60c



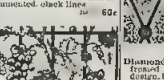
Lace Effect Medallion—All-over frosted lace effect medallion, in fancy crossbar ...

H6358—Solid white. Roll, 60c

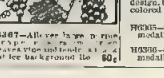
H6359—Rust red and white ... effect combination. Roll, 60c

H6360—White medallion ... crossbar. Roll, 60c

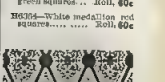
H6361—Amber glass effect black lines combination, green and red squares... Roll, 60c



H6362—Gothic design, red rose and green leaf effect ornamented, black lines... Roll, 60c



H6367—All-over lace ... effect ... and ... background. Roll, 60c



Floral Medallion—A ... black lines ... Roll, 60c

H6363—White medallion, green squares... Roll, 60c

H6364—White medallion, red squares... Roll, 60c

Diamond Pattern—All-over frosted effect large diamond design, black lines connecting colored round medallions.

H6365—White diamond, green medallion... Roll, 60c

H6366—White diamond, red medallion... Roll, 60c

STEAM COOKERS

IDEAL

Extra Heavily Tinned Finest Grade IX Charcoal Tin Plate Top, Sides and Double Doors, Cold Drawn Solid Copper Seamless Tank or Bottom, Strong and Durable.

Each

No. 20—11¾ in. Square, 21½ in. High, Capacity 11¾ Gallons, 2 Double Doors, 4 Removable Shelves or Divisions and 4 Compartments, Complete with Whistle, 2 Pans and Cook Book, Will Cook Enough Food at One Time for 3 to 15 People, Holds 16 1-Quart Jars.....$

The grandest labor-saving invention ever offered for canning fruits and vegetables—cooks the fruit and vegetables right in the glass jars or cans themselves. No pouring hot preserves or jam into the jars after cooking, no scalded or burned hands, no broken jars, no boiling nor stewing in large kettle on the open stove, no heat, no drudgery, no loss by evaporation or boiling away, no scorching nor over-cooking.

Weight Each 12 Pounds.

STEAM PEANUT WARMERS

Polished Tin, with Galvanized Iron Base.

Each

No. 9—32 in. High, 18 in. Long, 12 in. Wide, Capacity 13 Quarts, Equipped to Burn Charcoal. Weight Each 26 Lbs.....$

No. 9A—With Gas Equipment Otherwise Same as No. 9 .....

No. 9B—For Oil, Including Oil Stove, Otherwise Same as No. 9 .....

No. 9C—With Gasoline Equipment Otherwise Same as No. 9.....

No. 10—35 in. High, 21 in. Long, 13 in Wide, Capacity 24 Quarts, Equipped to Burn Charcoal, Weight Each 35 Lbs.. .....

No. 10A—With Gas Equipment Otherwise Same as No. 10.....

No. 10B—For Oil, Including Oil Stove, Otherwise Same as No. 10.....

No. 10C—For Gasoline Equipment, Otherwise Same as No. 10 .....

The top is made of heavy tin, with copper bottom. The glass panels at sides, which provide for a permanent display of peanuts, making it a very attractive machine.

The base is of heavy galvanized iron supported by legs of strap iron, extending from top on one side to top on opposite side. The charcoal grate is removable through large side door, likewise the oil stove, when oil is used. Proper outlets for air circulation are provided.

Gas equipment includes gas burner, inside piping and brass hose connections.

PEANUT AND COFFEE ROASTERS

Heavy Sheet Iron, Varnished Black.

Each

No. 1—16 in. Long, 10½ in. Wide, Capacity 10 Quarts, Equipped to Burn Charcoal, Weight Each 24 Lbs.. .....$

No. 1A—With Gas Attachment, Otherwise Same as No. 1 .....

No. 1B—With Gasoline Attachment, Otherwise Same as No. 1.....

No. 2—18 in. Long, 12 in. Wide, Capacity 14 Qts., Equipped to Burn Charcoal, Wt. Each 29 Lbs. .....

No. 2A—With Gas Attachment, Otherwise Same as No. 2 .....

No. 2B—With Gasoline Attachment, Otherwise Same as No. 2.....

No. 3—20 in. Long, 13 in. Wide, Capacity 20 Qts., Equipped to Burn Charcoal, Wt. Each 37 Lbs. .....

No. 3A—With Gas Attachment, Otherwise as No. 3. .....

No. 3B—With Gasoline Attachment, Otherwise Same as No. 3.....

No. 4—23 in. Long, 15 in. Wide, Capacity 32 Qts, Equipped to Burn Charcoal, Wt. Each 46 Lbs. .....

No. 4A—With Gas Attachment, Otherwise as No. 4 .....

No. 4B—With Gasoline Attachment, Otherwise Same as No. 4. .....

No. 5—24 in. Long, 16½ in. Wide, Capacity 40 Qts., Equipped to Burn Charcoal, Wt. Each 52 Lbs. .....

No. 5A—With Gas Attachment, Otherwise as No. 5 .....

No. 5B—With Gasoline Attachment, Otherwise Same as No. 5.....

No. 6—25 in. Long, 17 in. Wide, Extra Heavy, Capacity 48 Quarts, Equipped to Burn Charcoal, Weight Each 72 Lbs.. .....

No. 6A—With Gas Attachment, Otherwise as No. 6 .....

No. 6B—With Gasoline Attachment, Otherwise Same as No. 6. .....

These Roasters have wrought iron legs, made of heavy band iron, extending in one piece from the top on one side to the top of the other side, thus making it very strong and durable. The charcoal grate is removable.

FIRELESS COOK STOVES

IDEAL

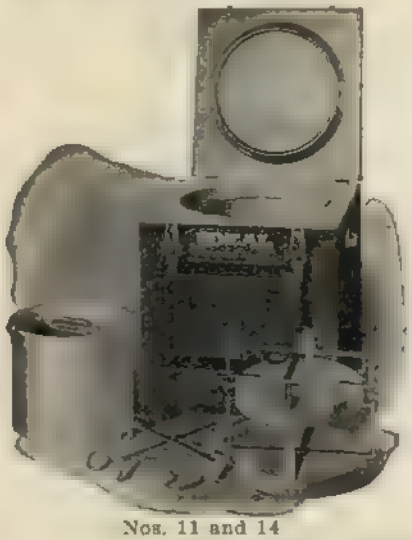
The "Ideal" Fireless Cook Stove is the embodiment of all that is best in fireless cook stove construction. The principle of fireless cooking finds in the "Ideal" its complete accomplishment

The fireless method of cooking resolves itself into one basic principle—heat retention

The 'Idea ' Fireless Cook Stove accomplishes this by scientific insulation strata-laid, fireproof, which not only retains the heat, but is a barrier to exterior influences

A patented device, the water seal top and a concomitant valve, effect positive heat imprisonment.

Pure aluminum of extra thick gauge lines the entire interior. The cooking compartments are manufactured seamless of the same heavy metal All unions seamed and double closed under heavy pressure Steel sub-frame interior supports of beam construction The whole confined in the final wall of rigidity the vulcanized, solid oak outer casing



Nos. 11 and 14

The seamless pure aluminum cooking compartment, or wells, are drawn from heavy sheets of pure aluminum and have no seams in the bottom or at the sides. This means that it is impossible for grease, water or moisture to enter the insulation through the bottom or sides of the cooking compartment. The wells of 12 quart capacity are united by double locked seams under heavy pressure to a thickness of pure aluminum or "sub-collar." The sub-collar gives the well the double grip which is needed to supply the strength necessary for a cooking compartment of such large capacity.

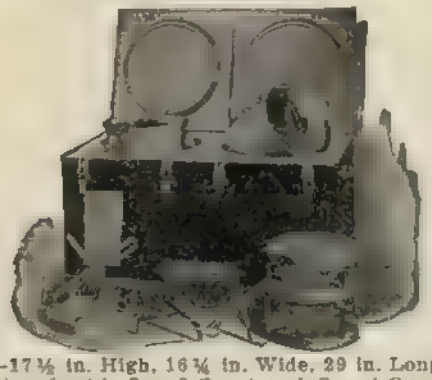
One Compartment.

Each

No. 11—17½ in. High, 16¼ in. Wide, 16½ in. Long, Equipped with One 8-Quart Aluminum Kettle, Two Heat Radiators, One Pair Individual Pastry and Cake Shelves, One Radiator Rack, Two Radiator Hooks, One Book of Directions and Radiator Thermometer Weight Each 60 Lbs. . . . . $....

No. 14—20½ in. High, 16¼ in. Wide, 16½ in. Long, Equipped with One 12-Quart Aluminum Kettle, Two Heat Radiators, One Pair Individual Pastry and Cake Shelves, Two Radiator Hooks, One Radiator Rack, One Book of Directions and Radiator Thermometer, Weight Each 65 Lbs. . . . .

TWO COMPARTMENT



Each

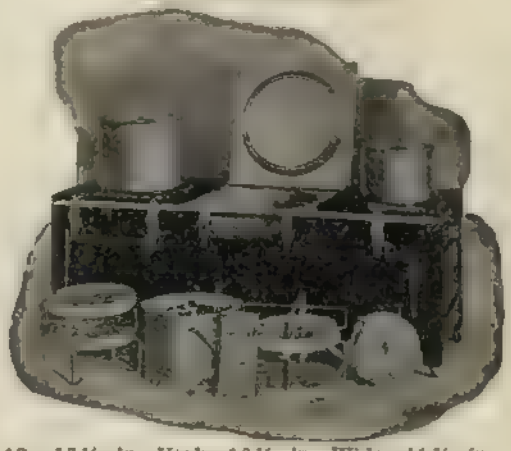
No. 12—17½ in. High, 16¼ in. Wide, 29 in. Long Equipped with One 8-Quart and One 4-Quart Aluminum Kettle, Three Heat Radiators, One Radiator Rack, One Pair Individual Pastry and Cake Shelves, Two Radiator Hooks, One Book of Directions and Radiator Thermometer, Weight Each 90 Lbs. . . . . $.....

No. 15—17½ in. High, 16¼ in. Wide, 30½ in. Long, Equipped with Two 8-Quart Aluminum Kettles, Four Heat Radiators, Two Radiator Racks, Two Pair Individual Pastry and Cake Shelves, Two Radiator Hooks, One Book of Directions and Radiator Thermometer, Weight Each 105 Lbs. . . . .

No. 18—20½ in High 30½ in Long, 16¼ in. Wide, Equipped with One 12-Quart and One 8-Quart Aluminum Kettles, Otherwise Same as No. 15, Weight Each 120 Lbs. . . . .

No. 19—20½ in. High, 16¼ in. Wide, 30½ in. Long, Equipped with Two 12-Quart Aluminum Kettles, Otherwise Same as No. 16, Weight Each 120 Lbs. . . . .

THREE COMPARTMENT



Each

No. 13—17½ in. High, 16¼ in. Wide, 41½ in. Long, Equipped with One 8-Quart and Two 4-Quart Aluminum Kettles, Four Heat Radiators, One Radiator Rack, One Pair Individual Pastry and Cake Shelves, Two Radiator Hooks, One Book of Directions and Radiator Thermometer, Weight Each 130 Lbs . . . . . $ ....

No. 16—17½ in. High, 16¼ in. Wide, 43 in. Long, Equipped with Two 8-Quart and One 4-Quart Aluminum Kettles, Five Heat Radiators, Otherwise Same as No. 13, Weight Each 145 Lbs. . . .

No. 17 20½ in High, 16¼ in Wide, 44½ in. Long, Equipped with Two 12-Quart and One 8-Quart Aluminum Kettles, Six Heat Radiators, Three Radiator Racks, Three Pair Individual Pastry and Cake Shelves, Two Radiator Hooks, One Book of Directions, and Radiator Thermometer, Weight Each 175 Lbs . . . .

SHOOTING GALLERY TARGETS

NOTE.—We Cannot Furnish Targets with Rolls Eyes Other than those Listed Below

PLAIN ROUND

No. 50—Cast Iron Painted Green, Diameter 28 inches, 34 inch Thick for 22 Cal. Bor Cartridges, with Steel Gong which Rings when Bulls Eye is Struck, Size of Bulls Eyes 1½, 2, 2 1/2 and 3 inches. Weight 45 lbs. Each $4 50

BIRD AND STAR

No. 52—Cast Iron Painted Gray, Iron Birds and Two Stars, which Fall Back on Hinged Iron Rod when Struck by Ball. Shooting from 40 to 60 Yards. Comes Complete with Gallery Cartridges. Number Each Target Will Stand. Weight 15 lbs. Each $1 00

BELL AND BIRD

Each

No. 53—Cast Iron Painted Gray, measuring 12 inches, ¾ inch Thick for 22 Caliber Cartridges. With Steel Gong which Rings when Bulls Eye is Struck and Bird Rises from Back of Target Set by Rope from Stand. Sizes of Bulls Eyes 1½, ¾, 1, 1¼ and 1½ inches. Weight 14 lbs. $10 00

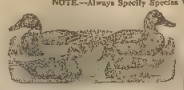
CLOCKWORK ALARM AND FIGURE

Each

No. 54—Iron Target 12 inches diameter 10 inches, ⅜ inch Thick for 22 Caliber Cartridges. The Alarm Rings Like an Electric Bell and Raises a Comic Figure when Bulls Eye is Struck and May be Struck Twenty Times with One Winding. Size of Bulls Eyes ¾, ⅞, 1, 1⅛ and 1¼ inches. Weight 14 lbs. $11 00

DECOY DUCKS

NOTE.—Always Specify Species Wanted When Ordering. If not Specified We Will Exercise Our Own Judgment



SOLID WOOD

Wood Shading Clear White Paint, Painted to Natural Colors. Drake and Female Mallard, Red Head, Canvas Back, Spring Teal, Teal and Blue Bill Only.

	Per Dozen
No. 2—Glass Eyes	$11 60
No. 3—Tack Eyes	10 00

Mallard, Red Head, Canvas Back and Blue Bill Only

	Per Dozen
No. 2M—Painted Eyes, Nut on Cord (Can Be Set No. 3)	$9 60

One Dozen in a Crate. Assorted Male and Female. Average Weight per Crate 34 lbs.

Cut Shows Decoys in Use

WOOD FLAT BOTTOM

Painted in Natural Colors from Life, Shape of Head, Bill, Area of Neck, etc., Modeled from the Living Bird. Role Perfectly Upright in the Roughest Water. Made in Two Sections and Connected in such a Manner as to Prevent any Leakage. Finest Enamel Eyes. Colored from Life.

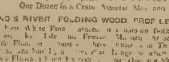
PREMIER MODEL—HOLLOW

	Per Dozen
No. 0—Finest Quality Clear White Pine, Solid Neck and Head	$20 00

Any Other Species Can be Furnished to Special Order. Same Prices. One Dozen in a Crate. Assorted Male and Female. Average Weight per Crate 28 lbs.

CHALLENGE MODEL—SOLID

	Per Dozen
No. 00—Good Grade White Pine Model, Solid Body	$28 00



Cut Shows Decoys Folded

THE NO. 5 RIVER FOLDING WOOD PROFILE MODEL

Best White Pine Shading in Natural Bird Colors. Rear Body Is Made to Fit Perfectly Upon Front Body, Thus Making a Compact Package. Heads and Necks Are Jointed to Body. Decoys Can Be Set Up or Taken Down in a Few Moments. Each Decoy Is Packed in a Separate Box. Each Box Contains One Decoy, Stake and Cord. Packed in a Strong Wood Carrying Case with Hinged Cover and Hasp. Weight per Dozen with Carrying Case 12 lbs.

	Per Dozen
No. FWDM—Mallard	$8 00
No. FWDC—Canvas Back	10 00
No. FWDB—Blue Bill	$10 00
No. FWDR—Red Head	10 00

DECOY DUCKS

NOTE.—Always Specify Species Wanted When Ordering. If not Specified We will Exercise Our Own Judgment

PNEUMATIC CANVAS

To be Inflated with Air. Tan Waterproof Canvas Decoy. Can be Wrapped for Carrying. Each Decoy is Supplied with Cord and Anchor. Can be Inflated and Deflated Quickly. Made in Two Sizes. Each Decoy is Made in Three Colors. Weight of Each Decoy Complete with Anchor.

	Per Dozen
No. 1—Mallard	$15 00
No. 2—Canvas Back	15 00
No. 3—Red Head	15 00
No. 4—Blue Bill	15 00
No. 5—Spring Teal	15 00

Weight per Dozen Seven Pounds. Size about 18 Ins.

JOHNSONS FOLDING PAPER

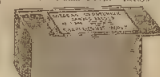
Light and Easily Set Up. Comes 6 Decoys or More in a Bundle. Always in the Ordering. Have Your Card Reserved. Will Not Absorb Moisture. Made of Heavy Waterproof Paper, which Fits Inside the Decoy when Finished. Will Retain Its Upright Position in Water by a Pendulum Weight.

	Per Dozen
No. JPPD—Printed on Both Sides in Natural Bird Colors	$5 00

Less than One Dozen Decoys Charged at Dozen Rate.

DRESSING

For Preserving Canvas Decoys

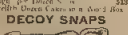


To Keep Pet Cake Into One Quart of Water. Heat Until Fully Dissolved (Make Warm but Not Enough to Cook). Paint Well Into Canvas with Brush. Any Decoy Dressing Can Be Used on Rubber Decoys and Enamel Cloth. Will Soften Stubborn Decoys Stamped.

	Per Dozen
No. DD—In Cakes, Size 2½ x 2½ x 2½ Weight per Dozen 5 lbs.	$12 00

Twelve Dozen in a Wood Box

DECOY SNAPS



	Per Gross
No. BSN—Nickel Plated Malleable Iron, with 24 inch Swivel Rubber Length Over All 2¾ inches. Especially Designed for Weighting Decoys. Weight per Dozen 2½ lbs.	$7 60

Twelve Dozen in a Wood Box

DECOY ANCHORS

Per Dozen

No. 1—Iron Leaf, 6 inches Cast on Cord. Cast in Collapsible Form. Desired Length. Weight per Dozen 6 lbs. $2 80

One Dozen in a Package

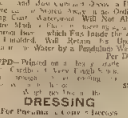
Per Dozen

No. 2—Iron Japanned. Will Hold Live Duck. Cast in Collapsible Form. Desired Length of Cord. Weight per Dozen 10 lbs. $3 40

Side Extensions for Cast on Wood Decoys, but may be Used on Any Other Style. Construction is so that it may be Hung over Neck of Decoy when not in use.

	Per Dozen
No. IX—Extra Heavy Mallet, Cast Iron with Wood Handle. Desired Length of Cord. Weight per Dozen 6 lbs.	$4 80

Less than One Dozen Decoys Charged at Dozen Rate.



HARP

Collar Anchors for Live Duck Decoys

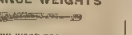
This is the Most Humane Anchor ever Devised for Holding Live Decoy Ducks. The Collar is Durable and Easily Applied and is Non-Chafing.

	Per Dozen
No. DC—Iron Prong Spring Collar, Braided Cord Attached. Length of Cord Desired. Weight per Dozen 2 lbs.	$2 00

Twisting Bow Style Anti-Fouling Lead Anchor which also Serves as a Cord Weight. Cord can be Adjusted on Anchor in Solid Depth of Water. Weight per Dozen 6 lbs. $3 00

Twelve Dozen in a Box

BALANCE WEIGHTS



FOR WOOD DECOYS

	Per Dozen
No. DW—Cast Iron Wire Eyelets for Anchor Cord and Tack of Wire for Fastening Weights to Anchor. Weights Balance the Decoy so it will Set Upright in the Water. Weight per Box 18 lbs.	$3 00

Twelve Dozen in a Wood Box Below

DECOY GEESE

PNEUMATIC CANVAS

To be Inflated with Air. Tan Waterproof Canvas Decoy. Can be Wrapped for Carrying. Each Decoy is Supplied with Cord and Anchor. Can be Inflated and Deflated Quickly. Made in Two Sizes. Each Decoy is Made in Three Colors. Weight of Each Decoy Complete with Anchor.

	Per Dozen
No. 12—Weight per Dozen about 9 lbs.	$28 00

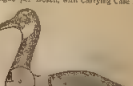
One Dozen in Strong Wood Carrying Case with Handle

ILLINOIS RIVER—FOLDING WOOD PROFILE MODEL

Each Decoy Is Packed in a Separate Box. Can Be Set Up or Taken Down in Little Time. Heads and Necks Are Jointed to Body. Decoys Can Be Set Up or Taken Down in Little Time. Each Decoy Is Packed in a Separate Box. Each Box Contains One Decoy, Stake and Cord. Packed in a Strong Wood Carrying Case with Hinged Cover and Hasp. Weight per Dozen with Carrying Case 15 lbs.

	Per Dozen
No. FWG—Canada Goose	$12 00

Weight per Dozen, with Carrying Case 15 lbs.



STEEL PROFILE

For Field Shooting only. Made of Heavy Sheet Steel. Painted by Hand in Natural Colors. Steel Durable so Decoy can be Carried Set up Lightly. Plunging the Landing, into Ground. Neck and Weight Allow the Decoy to be Ready for Use Right Down When Needed. Each Decoy Is Packed in a Separate Box.

	Per Dozen
No. PDG—Weight per Dozen 9 lbs.	$12 00

"DIAMOND EDGE IS A QUALITY PLEDGE"

INDURATED FIBRE WARE

FIBROTTA

Indurated Wood Fibre Ware is moulded under hydraulic pressure without joints or seams It will not warp, shrink, swell, absorb, taint, rust, water-soak or leak It is impervious to liquids, hot or cold. Kerosene, benzine, naphtha and all ordinary acids Colors vary from dark to light mahogany. No paint or varnish is used.

FIRE PAILS

Deep Fire Pail.

Round Bottom Fire Pail

Dimensions, Etc., of All Fire Pails Listed Below.

	Depth, Inches	Diameter Top, Inches	Cap'y, Quarts	Weight Dozen, Lbs
Star	8½	11	10	44
Round Bottom	11	11	12	52
Deep	13	8	10	60
Railroad or Factory	11	11	14	64

One-half Dozen in a Crate

LABELED

Heavy Ears, Copper Rivets, Galvanized Iron Bail, with the National Board of Fire Underwriters' Label.

	Per Dozen
Star	$
Round Bottom	
Deep	
Railroad or Factory	

STANDARD

Same as the "Labeled" Fire Pail, but Does Not Carry the Underwriters' Label.

	Per Dozen
Star	$
Round Bottom	
Deep	
Railroad or Factory	

REGULAR

Fitted with Ordinary Fittings, Does Not Carry the Underwriters' Label.

	Per Dozen
Star	$
Round Bottom	
Deep	
Railroad or Factory	

FIRE PAIL FIXTURES

SHELVES

For Round Bottom Pails, Wood, with Brackets and Screws.

	Each
No. 2—For Two Pails	$
No. 3—For Three Pails	

HOOKS

For Deep Fire Pails, Complete with Screws.

	Per Dozen
No. 10—Hooks, Weight Per Dozen 3 Lbs	$

One Dozen in a Box

STAR WATER PAILS

Coppered Steel Wire Bail, Enameled Wood Grip.

	Per Dozen
No. 12—Capacity 10 to 12 Quarts, 11x8½ in., Weight Per Dozen 48 Lbs	$

LADIES' OR WEAVERS' PAILS

Coppered Steel Wire Bail, Enameled Wood Grip.

	Per Dozen
No. 6—Capacity 6 Quarts, 9x7½ in., Weight Per Dozen 36 Lbs	$

One-half Dozen in a Crate

MEASURES

Sealed, Stamped Heavy Metal Handle Securely Wired to Body.

Nos.	½	1	2	4
Capacity, Quarts	½	1	2	4
Wt. Per Dozen, Lbs.	8	18	22	34
Per Dozen	$			

One-half Dozen in a Carton.

FUNNELS

Will Not Crack or Warp.

Nos.	2F	1F
Size	Small	Large
Weight Per Dozen, Lbs.	8	18
Per Dozen	$	

One-half Dozen in a Carton.

HANDY DISHES

Used for Any and All Purposes.

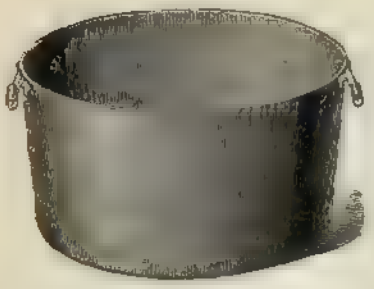
Nos.	1	2	3
Inches	5x12	4½x9¾	4x8
Weight Per Dozen, Lbs.	32	26	20
Per Dozen	$		

One-half Dozen in a Carton.

INDURATED FIBRE WARE

FIBROTTA

WASH TUBS



Wood Grips, Bottom Provided with a Chine.

Nos.	0	1	2	3
Inches	13x23½	12x20½	10½x19½	9½x18
Wt. Per Dozen, Lbs.	260	212	180	148
Per Dozen	$.....	.....	.....	.....

These tubs are strong and will stand the use of a wringer or any service required of a tub.

Butchers find these tubs excellent containers for sausage. Railroads use them in their dining cars as receptacles for soiled silver and linen.

One-quarter Dozen in a Crate.

NEW OVAL KEELERS OR BABY BATHS

Will Not Crack or Warp.

Per Dozen

No. 22—22 in. Long, 16½ in. Wide 6¼ in. Deep. Weight Per Dozen 112 Lbs. ....$ . . .

Unexcelled as a baby bath, as it is not cold to the tender infant. Much used on the bar for cooling steins. Also finds favor as a foot tub.

One-quarter Dozen in a Crate.

KEELERS OR REFRIGERATOR DRIPS

Wood Grips, Strong and Durable.

Nos.	1	2	3	4
Inches	6½x17	6x15	5x13½	5x12
Wt. Per Dozen, Lbs.	96	80	58	44
Per Dozen	$.....	.....	.....	.....

Especially serviceable for washing silver, fine china or lace and other delicate articles. Can also be used as a foot tub.

One-half Dozen in a Crate.

SCRAP OR WASTE JARS

With Brass Top, for Use About Lunch Counters to Hold Scraps of Food.

No.	2
Inches	9x13½
Wt. Per Dozen, Lbs.	90
Per Dozen	$.....

One in a Carton.

SPITTOONS

Removable Top, Will not Crack, Warp or Stain. All Fibre.

Nos.	1	2	3
Inches	6½x13	5½x11	4½x9
Wt. Per Dozen, Lbs.	54	34	24
Per Dozen	$.....	.....	.....

Indu-Namel Brown Enameled, Steel Top.

Nos.	1-I	2-I	3-I
Inches	6½x13	5½x11	4½x9
Wt. Per Dozen, Lbs.	60	38	26
Per Dozen	$.....	.....	.....

White Enameled Steel Top.

Nos.	1-W	2-W	3-W
Inches	6½x13	5½x11	4½x9
Wt. Per Dozen, Lbs.	60	42	30
Per Dozen	$.....	.....	.....

Polished Brass Top.

Nos.	1-B	2-B	3-B
Inches	6½x13	5½x11	4½x9
Wt. Per Dozen, Lbs.	60	38	28
Per Dozen	$.....	.....	.....

Nickel Plated Top.

Nos.	1-N	2-N	3-N
Inches	6½x13	5½x11	4½x9
Wt. Per Dozen, Lbs.	60	38	28
Per Dozen	$...	..	..

One-half Dozen in a Carton

MATS

For Use Under Slop Jars and Spittoons to Protect Floors and Carpets. Per Dozen

No. 17—17 in. Diameter, Weight Per Dozen 22 Lbs. .....$. . .

One Dozen in a Carton.

ENAMELED FIBRE WARE

White Inside, Light Blue Mottled with White Outside, or Pink Mottled with White Outside.

Per Dozen

Star Water Pails—Weight Per Dozen 50 Lbs. .....$. . .

Ladies' or Weavers' Pails—Weight Per Dozen 36 Lbs. .....

New Oval Keelers or Baby Baths—Weight Per Dozen 100 Lbs .....

One-half Dozen in a Crate.

Mr. Merchant, Here's Your Opportunity

Just what you want. Prepared particularly for you
A stimulator. A profit maker. Elaborately displayed

Ingersoll Assortment (No. 36)

contains all the big sellers of the Ingersoll line, in just the proportion in which your customers will buy them. It gives you at a minimum investment, a proposition that sells quickly, profitably and without trouble or expense.

—It offers you all the Ingersoll advantages—price protection, liberal guarantee, tremendous demand, together with the larger profits that a complete selection of models gives you, and free advertising that shows up the watches and is such a big factor in their sale.

The fixture is furnished only with this complete assortment and cannot be obtained separately, and only one assortment will be furnished to each customer.

This assortment costs you, list, $101.57

It sells for, list, $150.34

Your profit is, list, $38.77

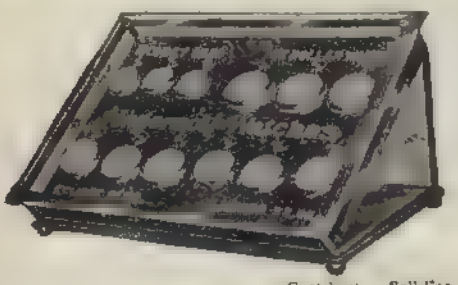
One Velvet-Lined Wood Frame Fixture FREE

IMPORTANT:—These prices apply only where quantities of three dozen or more watches are ordered.

Following are the models in detail:

	COST YOU		SELL FOR
	Each, List	Total, List	LIST
12 Yankee, nickel finish	$2.00	$24.00	$34.04
2 Yankee, gunmetal finish	2.12	4.24	5.67
8 Eclipse, solid nickel	2.84	22.72	34.04
2 Eclipse, gunmetal finish	2.97	5.94	8.51
6 Junior, solid nickel	3.69	22.14	34.04
2 Junior, gunmetal finish	3.83	7.66	11.35
3 Midget, solid nickel	3.68	11.04	17.02
1 Midget, gunmetal finish	3.83	3.83	5.67
36 watches		$101.57	$150.34

No. 1927 Assortment of 36 watches as enumerated in velvet lined, wood frame, list price $101.57



A New Ingersoll Assortment No. (18)

With a New Glass Show Case

	Cost You List	Sell For List
8 Yankee, nickel	$17.04	$22.60
2 Yankee, gunmetal	4.24	5.67
2 Eclipse, nickel	6.00	8.51
1 Eclipse, gunmetal	3.13	4.25
2 Junior, nickel	7.64	11.35
1 Junior, gunmetal	3.96	5.67
1 Midget, nickel	3.81	5.67
1 Midget, gunmetal	3.96	5.67
1 No. 18 show case (half cost)	2.82	0.00
	$52.90	$69.48

This Assortment costs you, list $52.90

It sells for, list 69.48

Your Profit, list $16.58

Besides the above there is a smaller assortment which includes the new Ingersoll show case shown on this page.

The entire frame-work of the case is made of oxidized copper and double thick plate glass on top and four sides. The pad holding watches is covered with a black flock and all lettering is in high relief in a sparkling yellow. The case is durable and a most attractive means of displaying Ingersoll watches both on the counter and in the window.

Only the leading models of the Ingersoll line in this assortment—the watches that top all others in sales. The famous Dollar watch, newer and finer than ever, the Eclipse, thin model with its new antique bow, the Junior, thin and graceful in appearance, the dainty little Midget, ladies model, also with new antique bow—all combining to make both a big selling proposition and a most effective means of bringing customers into your store.

The show case is sold to you at one-half its cost to manufacture and all re-orders for watches give you a more liberal profit.

No. 1928 Assortment of 18 watches as enumerated in fine glass display case, list price $52.90

The Boyproof

There are many low priced watches on the market, but none possesses, together with high quality and attractive appearance the effective movement protection of the BOYPROOF.

While no thicker and no larger than those of the same price, this watch has over all others the advantage of a double back cover that conceals the movement entirely and renders it **dustproof** as well as **boyproof.**

It has a double roller escapement, a balance and a lever removable independently of the rest of the movement. It is stem wind and set, **16 size,** highly nickel plated and fully guaranteed for one year. To wind, you turn the stem to the right until it stops. To set, you push in the stem and turn hand in either direction while pressure on stem is applied.

Boyproof watches come packed a dozen in a striking combination box that can be displayed to the best advantage in your window or on your counter. They can be supplied in two finishes with no advance in price, **nickel, gun metal and gilt,** with **plain or fancy dials and plain or engraved backs.** A better set box can be supplied in one or more assorted finishes

Repair material furnished free of charge.

Stem wind and stem set 16 size. Plain or fancy dials. Supplied in three finishes.

OUR SPECIAL ADVERTISING OFFER UPON REQUEST ONLY.
BOYPROOF WATCHES.

In order to further the sale of "The American" Boyproof Watch to the trade, we will ship with every order for one dozen the hand some display box illustrated above, covered with Rembrandt Brown and containing, together with the twelve watches, several three-color posters of "The American" Boyproof Watch

Every box is packed for shipment in a reinforced, double corrugated board wrapper, and every watch is put up individually in a flannel lined and a tight fitting steel cover box. Nothing has been spared to make this assortment as attractive as possible. It is compact, neat and handy, and will double your sales on $1.00 watches wherever displayed

No. 1929 Price complete, with 12 Boyproof Watches, Nickel finish..... $13.85

No. 1930 Price complete, with 36 Boyproof Watches, Nickel finish..... 39.00

Note. If assortment of finishes is desired, state specifically your wants

INGERSOLL WATCHES.

Cuts Three-Quarter Size

YANKEE, 16 Size, Stem Wind and Set.

Nickel plated case.		Per Dozen.
Less than 3 dozen.....	AJDE	$17.40
3 to 6 dozen.....	AJAJ	16.80
6 dozen or more.....	JIGJ	16.20
Gold plate finish.		
Less than 3 dozen.....	AAAE	18.60
3 to 6 dozen.....	AJHJ	18.00
6 dozen or more.....	AJDE	17.40
Oxidized case.		
Less than 3 dozen.....	AAAE	18.60
3 to 6 dozen.....	AJHJ	18.00
6 dozen or more.....	AJDE	17.40

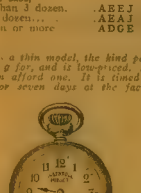
INGERSOLL DISPLAY STANDS.

No. 6—Counter case, height 10 in., oak frame, mission finished, green plush lined, gold lettered, holds 12 watches, net, each . . . . . ABJ $2.00

ECLIPSE, 16 Size, Full Stem Wind and Push in Stem Set, Semi-Bascine, Snap Back and Bezel.

Solid nickel case.		Per Dozen.
Less than 3 dozen...	ADGE	$24.60
3 to 6 dozen...	ADDJ	24.00
6 dozen or more .	ADJE	23.40
Oxidized case.		
Less than 3 dozen.	AEEJ	25.80
3 to 6 dozen...	AEAJ	25.20
6 dozen or more	ADGE	24.60

It is a thin model, the kind people like to look at for, and is low-priced. Anyone can afford one. It is timed and tested for seven days at the factory.



MIDGET, 6 Size, Ladies, Stem Wind and Set.

Solid nickel case.		Per Dozen.
Less than 3 dozen.....	AIDE	$32.40
3 to 6 dozen.....	AHGJ	31.20
6 dozen or more.....	AHJJ	30.00
Oxidized solid nickel case.		
Less than 3 dozen...	BJAE	33.60
3 to 6 dozen.	AIDE	32.40
6 dozen or m	AHGJ	31.20
Gold plate finish.		
Less than 3 dozen	BJAE	33.60
3 to 6 dozen	AIDE	32.40
6 dozen or more	AHGJ	31.20

The midget watch is now equipped with a second hand and equals, for practical purposes, any woman's watch made. Just the watch needed by the business or professional woman.

JUNIOR, 12 Size, Stem Wind and Set.

Solid nickel case.		Per Dozen.
Less than 3 dozen.....	AIDE	$32.40
3 to 6 dozen.....	AHGJ	31.20
6 dozen or more.....	AHJJ	30.00
Gun metal case.		
Less than 3 dozen..	BJAE	33.60
3 to 6 dozen	AIDE	32.40
6 dozen or more.....	AHGJ	31.20

In size and shape the Ingersoll Junior resembles the thinnest of American models and in quality and finish is up to the Standard of the best watches made. [illegible] dorn with high class and up-to-date.

No. 17—Arm, black with white letters, holds six watches, with Ingersoll watches, free of charge

Display stands, etc., furnished free or at a nominal cost.

INGERSOLL WRIST WATCHES AND ASSORTMENTS.

INGERSOLL WRIST WATCHES.

Six Size, Gun Metal Case, Complete with Straps.

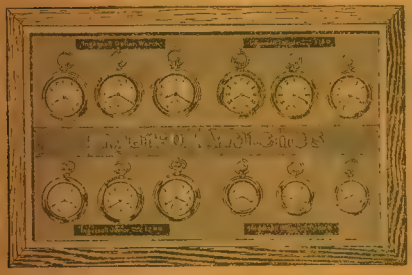
No. 251—Brown leather strap, w't per doz. 36 oz. ..... per dozen **BCGE** 39.60

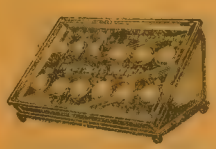
Adjustable, light and easy to wear, out of sight and out of the way when not needed. A turn of the arm brings the watch right on the dial. Just the thing for anyone who has a watch, but especially for wearing out, horseman, motorists, farmers, etc., and above all, the women, who have no pockets. These watches retail for $2.50.

PACKED ONE IN A FASTENED BOX; ONE DOZEN IN A CARTON.

INGERSOLL WATCH ASSORTMENT.

A NEW AND COMPLETE SELLING OUTFIT FOR THE RETAIL DEALER.





No. 36—Assortment, consists of 36 assorted Ingersoll watches as enumerated below, and one handsome velvet-lined pad or easel holding twelve watches as shown in cut, w't, ... asst. 10 lbs. ..... per assortment **DBIJ** $71.50

12 Yankee Nickel finish, retail value, each $1.00 ..... $12.00
2 Yankee Gun Metal finish, retail value, each $1.00 .... 2.00
8 Eclipse Solid Nickel, retail value, each $1.50 ..... 12.00
2 Eclipse Gun Metal finish, retail value, each $1.50 ..... 3.00
6 Junior Solid Nickel, retail value, each $2.00 ..... 12.00
2 Junior Gun Metal finish, retail value, each $2.00 ..... 4.00
3 Midget Solid Nickel, retail value, each $2.00 ..... 6.00
1 Midget Gun Metal finish, retail value, each $2.00 .... 2.00

Total retail value $53.00

The fixture is furnished only with this complete assortment and cannot be obtained separately.

No. 18A—Assortment consists of 18 assorted Ingersoll watches as enumerated below and one attractive show case, 13½x7¾x7½ in. The entire frame work of the case is made of oxidized copper with double thick plate glass top and four sides, fitted with a black flock covered pad which hol... 12 watches. All lettering is in high relief and in a sparkling yellow color, w't complete 17 lbs.

8 Yankee Nickel Finish, retail value, each $1.00 ..... 8.00
2 Yankee Gun Metal finish, retail value, each $1.00 ..... 2.00
[illegible] Solid Nickel, retail value, each $1.50 ..... 3.00
1 Eclipse Gun Metal finish, retail value, each $1.50 ..... 1.50
2 Junior Solid Nickel, retail value, each $2.00 ..... 4.00
1 Junior Gun Metal finish, retail value, each $2.00 ..... 2.00
1 Midget Solid Nickel, retail value, each $2.00 ..... 2.00
1 Midget Gun Metal Finish, retail value, each $2.00 ..... 2.00
1 No. 12 Show Case 1.00

Total retail value $25.50

No. 12—13¾x7¾x7½ in. The entire frame work is made of oxidized copper, double thick plate glass top and four sides, fitted with black flock covered pad which holds 12 watches. All lettering is in high relief and in a sparkling yellow color, w't 12 lbs. ..... per assortment **DABJ** $9.00

The case is durable and attractive and is especially adapted for display purposes. The case is figured in the above assortment at $1.00, which is ⅛ of the cost of the same to the manufacturers.

ONE ASSORTMENT IN A WOOD BOX.

IRON PLUMBS AND LEVELS

STARRETT'S BENCH

6 to 12 inch.

18 to 24 inch

No. 132—Japanned Iron Frame, Polished Edges, Nickel Plated Level Glass Plate, Two Plumbs, with Longitudinal Groove in Seat of Base for Working on Cylindrical Work, Piping, Shafting, Etc.

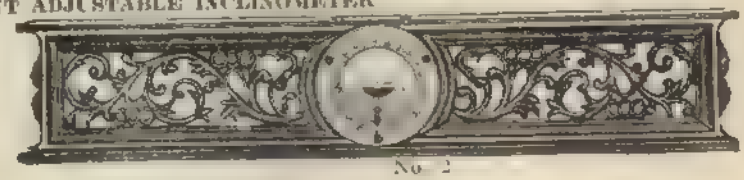
Length, Inches	4	6	9	12	18	24
Weight Per Dozen, Lbs.	6	9	14	23	35	50
Per Dozen	$16 20	18.00	19.80	21.60	24 00	27 00

One-twelfth Dozen in a Box.

IRON LEVELS

DAVIS PATENT ADJUSTABLE INCLINOMETER

No. 1



No. 2

Iron Frame, Handsomely Japanned.

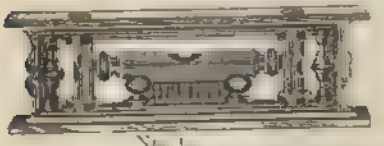
Nos.	1	2	3	4
Length, Inches	7	12	18	24
Weight Per Dozen, Lbs.	15	24	48	60
Per Dozen	$24.00	30.00	36.00	42.00

The above Levels are made for Machinists and Carpenters use, and are particularly useful in leveling up shafting or staircases, or anything that is to be at an angle. The dial is graduated to degrees and all that is necessary to do is to move the bubble case with the dial pointer attached to the desired degree and the Level is ready to be used. The adjustment is derived by the use of two screws on the top surface, tightening one and loosening the other will cause the bubble case to move

One-twelfth Dozen in a Box.

IRON PLUMBS AND LEVELS

DAVIS PATENT ADJUSTABLE DOUBLE



No. 6

No. 7.

Iron Frame, Handsomely Japanned, Polished Plumb and Level Cases, Plain Glasses, Adjustable.

Nos.	6	7	8	9
Length, Inches	8	12	18	24
Weight Per Dozen, Lbs.	12	24	36	51
Per Dozen	$24 00	27 00	30.00	36.00

The Plumb Tubes as well as the Level Tubes are adjustable. To adjust Level Tubes, tighten one and loosen the other screw entering Level Tube from bottom of frame. To adjust Plumb Tubes turn screw or eccentric on bottom of frame. In adjusting Levels care should be taken not to turn the screw down tight, as the adjustment sometimes becomes set when this is done.

One-twelfth Dozen in a Box.

STARRETT'S ADJUSTABLE BENCH

4, 6 and 8 inch Sizes. 12 inch Size. The 18 inch is Similar but with Double Plumbs

Japanned Iron Base, Ground and Graduated Vials, Nickel Plated Protecting Tube, with Longitudinal Groove in Seat of Base for Working on Shafting, Piping, Etc.

No. 85—With Plain Vial.

				With Plumb	With Dbl. Plumb
Length, Inches	4	6	8	12	18
Each	$1.00	1 25	1 50	2 00	3 00

No. 96—With Ground and Graduated Vial.

				With Plumb	With Dbl. Plumb
Length, Inches	4	6	8	12	18
Each	$2 50	3 50	4 00	5 50	8 00

These Levels are so constructed that they can be accurately adjusted, and when so adjusted are not liable to get out of true, the vials being set in tubes having solid ends which are firmly clamped to the base. The outer tube may be turned so as to protect the glass when not in use.

One in a Box.

PLUMBS AND LEVELS

STANLEY'S NON-ADJUSTABLE MASONS'

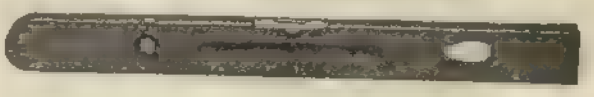
Per Dozen

No. 7½—36 in. Long, 1⅜x2⅜ in. Polished Hardwood Stock, Square Brass Top Plate, Plain Side Views, Two Plumbs, Proved Glasses, Weight Per Dozen 48 Lbs. $18.90

No. 8—42 in. Long, Otherwise Same as No. 7½. Weight Per Dozen 56 Lbs. 21 60

One-half Dozen in a Box.

STANLEY'S COMBINATION MASONS'



Per Dozen

No. 33—42 in. Long, 1⅜x3⅝ in. Softwood Stock Polished, Square Brass Top Plate, Plain Side Views, Proved Glasses, Adjustable Level Glass, with One Non-Adjustable Plumb and One Opening for Use of Plumb Bob and Line. Weight Per Dozen 64 Lbs. $21 00

One-half Dozen in a Box.

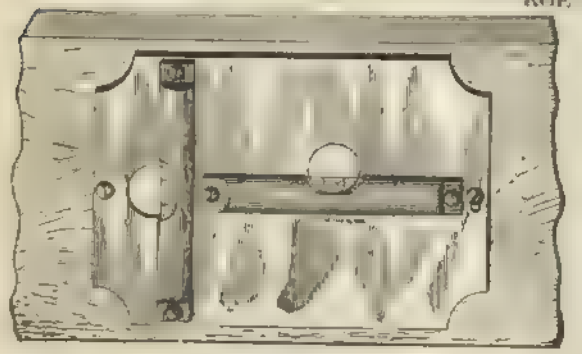
STANLEY'S COMBINATION MASONS'

Per Dozen

No. 45½—48 in. Long, 1⅞x3⅝ in. Softwood Stock, Polished Square Brass Top Plate, Two Side Views, Brass Plumb Rings, Proved Glasses, Adjustable Level Glass, with Two Adjustable Plumbs and Two Openings for Use of Plumb Bob and Line, Weight Per Dozen 80 Lbs. $32 00

One-half Dozen in a Box.

ROE ADJUSTABLE



Per Dozen

Roe—3¼x5⅝ in., Adjustable, Steel, Oxidized Finish, Weight Per Dozen 5 Lbs. $10.30

Quickly detachable and adjustable to any straight edge. Especially dapted for plumbing at long distances, or in windy weather

It is not a complicated device, being very simple in its construction, and is always reliable.

It is made of high grade materials and fitted with colored level vials.

It is in great demand by carpenters, masons, and anyone having use for a level.

One Dozen in a Box.

STANLEY'S MACHINISTS' LEVELS

Per Dozen

No. 39½—6 in Long, Nickel Plated Iron Case, Proved, Weight Per Dozen 7 Lbs. $6 00

One-half Dozen in a Box.

STANLEY'S ADJUSTABLE METALLIC

12 inch.

24 inch.

With Grooved Bottom for Working on Shafting, Piping, Etc.

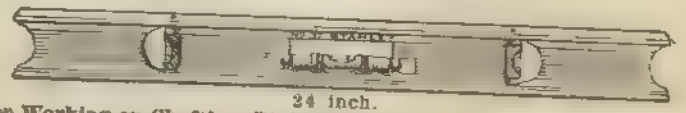
No. 36G—Japanned Iron Frame, Nickel Plated Trimmings, Proved Glasses, Two Plumb and One Level Glass, Set in Metal Cases.

Length, Inches	6	9	12	18	24
Weight Per Dozen, Lbs.	10	15	22	36	51
Per Dozen	$15 00	18 00	21 00	24 00	27 00

The glasses are so set that either surface may be used to level or plumb. They are set in metal cases which rest accurately on supports cast in the frame of the level. The cases are held on the supports by means of eccentric cone centers at each end, with screw adjustment.

One-twelfth Dozen in a Box.

9 inch.



24 inch.

With Grooved Bottom for Working on Shafting, Piping, Etc.

No. 37G—Iron Frame, Full Nickel Plated Ground Glasses Two Plumb and One Level Glass Set in Metal Cases with Revolving Protecting Cover.

Length, Inches	6	9	12	18	24
Weight Per Dozen, Lbs.	10	15	22	36	51
Per Dozen	$24.00	30 00	36.00	42.00	48 00

These Plumbs and Levels are of the same general design as No. 36 described above, they have however, ground glasses, are full nickel plated and the glasses are protected

One-twelfth Dozen in a Box.

CHURNS

JACKSON BARREL

Well Seasoned White Oak, Black Steel Hoops, Galvanized Castings.

Nos.	0	1	2	3
Capacity, Gallons	6	10	15	20
Churns, Gallons	3	5	7	10
Weight Each, Lbs.	30	36	41	48
Each $				

Nos.	4	5	6
Capacity, Gallons	25	37	60
Churns, Gallons	13	18	30
Weight Each, Lbs.	77	83	137
Each $			

EXTRA PARTS FOR JACKSON BARREL CHURNS

HEAD RING CASTINGS

For Churns, Nos.	1, 2, 3	4
Each $		

COVER RIMS

For Churns, Nos.	1, 2, 3	4	5, 6
Each $			

COVERS COMPLETE

For Churns, Nos.	0, 1, 2	3, 4	5, 6
Each			

TRUNNIONS OR AXLES

For Churns, Nos.	0	1	2	3	4	5	6
Each $							

HANDLES OR CRANKS

For Churns, Nos.	0	1	2	3	4	5	6
Each $							

AXLES FOR POWER

For Churns, Nos.	0	1	2	3	4	5	6
Each $							

PULLEYS

Single Pulleys with Shaft.

Inches	3x10	3x12	3x14	3x16
Each $				

Tight and Loose Pulley with Shaft.

Inches	3x12	3x14	3x16
Each $			

JACKSON DASH

Selected White Oak with Kiln Dried Staves, Patent Curb, Galvanized Hoops, Poplar Cover, White Ash Dash.

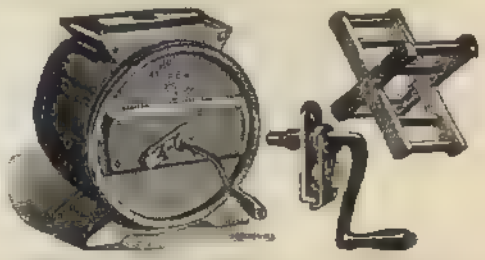
Nos.	0	1
Capacity, Gallons	7	8
Will Accommodate, Cows	1	2
Each $		

Nos.	2	3
Capacity, Gallons	9	10
Will Accommodate, Cows	3	4
Each $		

Nos.	4	5
Capacity, Gallons	13	16
Will Accommodate, Cows	5	6
Each $		

No.	6
Capacity, Gallons	19
Will Accommodate, Cows	8
Each $	

IMPROVED CYLINDER



White Cedar, Double Dasher, Thumb Screw Lock, Galvanized Iron Hoops, All Castings Tinned with Pure Block Tin.

Nos.	2	3	4
Capacity, Gallons	3	4	7	10
Weight Each, Lbs.	14	18	21	26
Each $				

One in a Crate.

DAZEY GLASS

Heavy Clear Glass Jar, Nickel Plated Steel Screw Cap, Seasoned White Maple Dasher, Tinned Steel Dash Rod, One Piece Cast Frame Wood Handle, Aluminum Coated Castings

Nos.	10	20
Capacity, Pints	3	5
Churns, Pints	2	3
Ht Over All, In.	11	12
Weight Each, Lbs.	3	5
Each $		

Nos.	30	40
Capacity, Pints	7	9
Churning Capacity, Pints	4	5
Height Over All, Inches	13	14
Weight Each, Lbs.	6	7
Each $		

EXTRA JARS

Nos.	10J	20J	30J	40J
For Churns, Nos.	10	20	30	40
Wt. Per Dozen, Lbs.	40	65	90	95
Per Dozen $				

BUTTER MOULDS

Individual, Selected Maple.

Per Dozen

No. 1-0—1 Oz. Size, Assorted Prints .....$....

Open Stock.

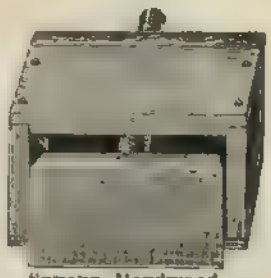
Round, Selected Maple.

Per Dozen

No. ½-R—½ Lb. Size, Assorted Prints .....$....

No. 1-R—1 Lb. Size, Assorted Prints .....

Open Stock.



Square, Hardwood.

Per Dozen

No. ½-S—½ Lb. Size, Plain Print ..... $....

No. 1-S—1 Lb Size, Plain Print .....

Open Stock.

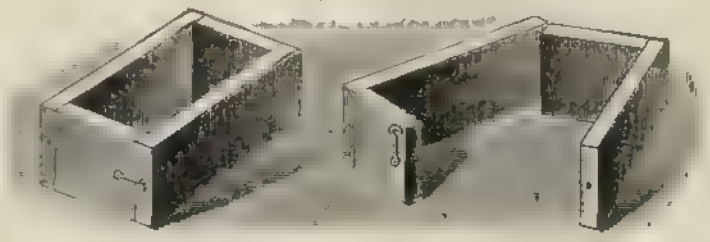
BUTTER PRINTS

Maple, Hand Carved, Assorted Designs.

Inches	2	2½
Per Dozen	$....	.
Inches	3	3½
Per Dozen	$.	.. .

Open Stock

BUTTER MOULDS



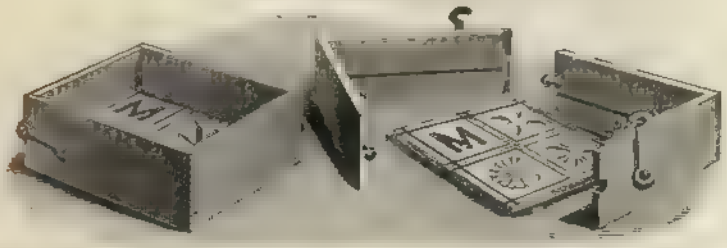
Selected Clear White Birch.

Per Dozen

Simplex Brick Shape Molds a Cake of Butter 4⅝x2½x2¼ in., Locked Corners, Brass Trimmings.....$.. .

Open Stock.

BUTTER MOULDS



Blanchard, Selected Clear White Birch, Locked Corners, Brass Hook and Screw.

Size, Lbs.	½	1	2
Inches	5x2¾x1⅛	5x4⅛x1⅛	10x4½x1⅛
Per Dozen	$.....	.....	.....

The bottom is prevented from warping by strong wooden cleats and the sides are grooved sufficiently deep to allow for swelling when in use.

Open Stock.

BUTTER LADLES

Maple.

Per Dozen

No. 1—Anderson Shape, Paraffine Finish .. . .$. .

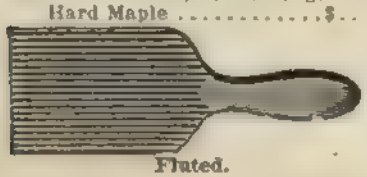
Open Stock.

BUTTER SPADES

Plain.

Per Dozen

No. 5—3 in. Wide, 10 in. Long, Hard Maple .....$.. .



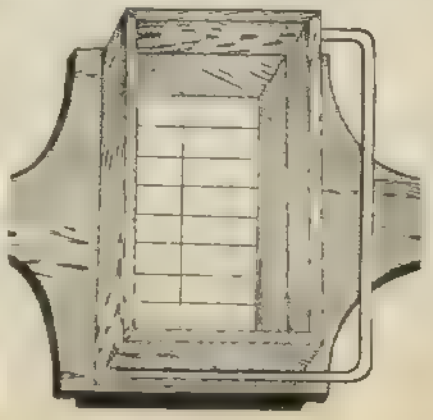
Fluted.

Per Dozen

No. 10—3 In. Wide, 10 in. Long, Hard Maple .... $.

Open Stock.

BUTTER CUTTERS



NOVELTY

With the aid of this machine a pound of butter can be cut, in a few seconds, into equal sized pieces and any desired thickness, without waste. Cuts 44 pieces to the pound

Per Dozen

Novelty—Hardwood Frame, Best Piano Wire Cutters, New Wires can be Put in with Little Trouble, Strong and Durable . . . . . $. .

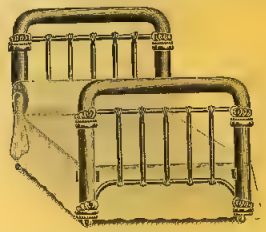
Open Stock.

STIMULATORS

Beds, Desks, Toys and Musical Goods

TRIPLE COATED ENAMEL PORCELAINIZED STEEL BED.

Made by one of the best known manufacturers of metal beds in the country. Note the construction, high grade welded tubing showing no seams, chill work perfectly finished, 2 in. continuous pillars, triple coated enamel porcelainized, all the features known to high grade bed making. In stock ready to ship at once.

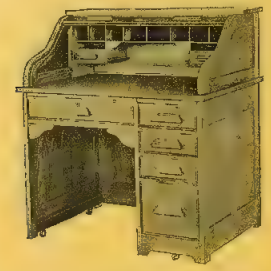


2 in. continuous pillars. Filling rods ½ in., heavy cloths and mouldings, height of head 55 in., foot 41 in. finish white baked triple coated enamel, porcelainized will not chip, high grade welded tubing showing seams, chill work perfectly finished. Complete with rails and casters.

P8875—3½ ft. wide. 110 lbs. In lots of 6 $3.95	Each, **$4.25**	P8874—4½ ft. wide. 120 lbs. In lots of 6 $3.95	Each, **$4.25**

SOLID GOLDEN OAK ROLL TOP DESK.

An unusual value. Note the arrangement, construction, finish and the price.

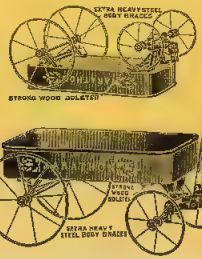


P6883 Very finest selected solid golden oak, beautifully finished, depth 42 in., ht. 48 in., depth 30 in., extra heavy slide moulds and front, 3 finished top. Large drawer with full width roller drawer extra heavy top dust compartment with pigeon holes and 4 drawers, shelves to suit, book rack, etc. Each desk complete with sliding arm rests, castors. Be shipped knocked down.

Each, **$10.95**

"MARATHON" STEEL EXPRESS WAGON.

Number 94 wagon. Full size, extra heavy steel braces and bolsters. A big value item.



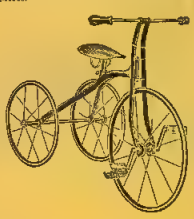
F1460—(Mfrs. No. 94) Body 6x18, wheels 9 and 3, heavy steel sides corrugated hand, extra heavy steel braces and bolsters attached to body by bolts, not screws, improved flat wheel heavy iron axles, extra heavy enamelled wheels, body painted bright red, gilt stripe and scrolls, handle green varnished inside and out. Patent handle stay. Will not fall to ground.

Doz. **$4.50**

5½ cu. ft. crate, 35 lbs.

"CLIPPER" RUBBER TIRE VELOCIPEDES.

Well known standard line at practically factory cost. Note the special features and prices.



Adjustable heavy leather seat on pat. saddle spring, extra heavy red enamel steel wheels, bakes, black enamelled frames and brass forks, rims, 1 pr. fork with adjustable catch, sliding away with screws and bolts for setting up.

F1253—(Mfrs. O. R.) Wheels 14 and 10 in. for very small children. 1 in crate, 15 lbs. Each, **$1.60**

F1260—(Mfrs. 1R). Wheels 16 and 12 in., ⅜ in rubber tires, 3 to 7 yrs. 1 in crate, 17 lbs. Each, **$1.75**

F1261—Mfrs. 2R). Wheels 20 and 14 in., rear ⅝, front ½ in tires, 5 to 9 yrs. 1 in crate, 21 lbs. Each, **$1.95**

F1267—Mfrs. 3R) Wheels 24 and 16 in., rear ⅝, front ½ in. tires 7 to 11 yrs. 1 in crate, 25 lbs. Each **$2.15**

LITHOGRAPHED STEEL WAGON.

Look at the size and finish and then the price.

F1813 51x20 heavy steel body, lithographed in 3 colors "Hay Scout" lettered sides, blue wagon, heavy bolsters and stakes, red rear sled wheels, 32 in. round steel tires, 3 in. with T grip. 4 doz. in carton.

Doz. **95c**

ALL STEEL REVERSIBLE BACK SULKY.

We are the first to offer a 25c all steel reversible seat sulky that you can retail for a dime and make a profit.

F1812—27½ x 8½, heavy steel seat, arms and reversible back. Double sidewalk rests, 5 in. large double artillery wheels, tubular handle with T grip, body finished in enamel red enamel with gray wheels and handle. 2 doz. in carton.

Doz. **95c**

JAPANESE BARKING DOG.

A quick selling novelty toy at a good figure for you.

F3150 6x7 in. white canton flannel, hard stuffed, wood ears, glass eyes, barks when tapped on head, leather collar and bell. 3 doz. in box.

Doz. **78c**

Gro. $9.00

CRAWLING BUG TOY.

A brand new novelty, very realistic. Interests both children and grown-ups.

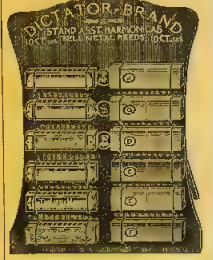
F1761—6 styles, 2 in. long, steel bugs, red tipped rubber antennae, when pushed backward crawls forward, naturally. 4 doz. in box.

Doz. **86c**

Gro. $7.75

"DICTATOR" HARMONICA ASST.

An excellent counter display. Unmatchable price.



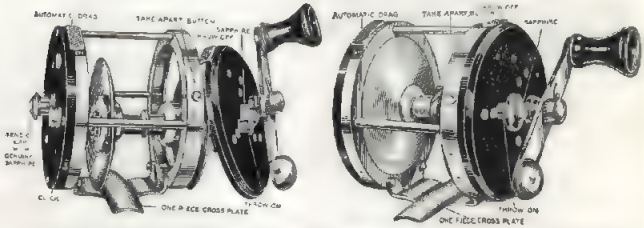
F881—6 styles, all 14 holes, 20 brass metal reeds, brassed and nickel plated covers, some open back. Each in box, 4 doz. on card, 48 cards.

Doz. **78c**

NOTICE.

Prices on the Stimulator pages are "special" and hold good ONLY until our April Catalogue is out. Do not blame us if your order reaches us too late to entitle you to these prices.

MEISSELBACH FREE SPOOL SURF REEL



An excellent salt water reel in design, construction, and practical usefulness.

Its automatic drag acts only when the fish runs—never while you are reeling in your line. Its adjustable tension screw gives any degree of pressure on the spool. That helps you counteract the tendency of the line to "over-run."

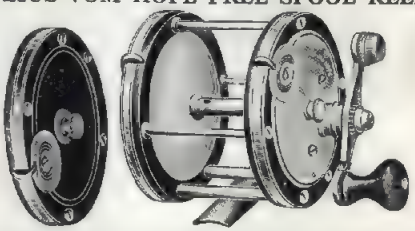
To take it apart—just push the button and twist your wrist. In two seconds you can get at the mechanism to clean or oil it.

Its rigid German silver rims (stamped—not cast) are riveted to the strong one-piece cross-plate. All the strain is on the metal; none upon the hard rubber plates.

Made in two widths of spool. The wide model will hold fully 300 yards of 9-thread cuttyhunk and the narrow model 230 yards.

No. 15. Free spool surf casting reel.....$18.00

JULIUS VOM HOFE FREE SPOOL REEL



The gears can be instantly disconnected making a "free spooler". The drag is automatic and normally set for light pressure. To make the drag heavier, after removing the back plate place the small screw within the half circle backward one or two holes according to the weight of drag desired. The proper way to use this reel is first to make it a free spool reel and after you have made your cast, then apply the brake which you find on the back plate. Do not connect the handle until the fish is hooked and has made its several rushes, then connect the handle with the button on the front plate.

No.	441	442	443	444	445
Diameter of Disc	3 1/8	3 3/8	3 3/4	4	4 1/4
Capacity, yards	250	300	350	400	450
Each	$20.80	$22.10	$25.60	$28.80	$32.00

Delivery Prepaid in U. S. if Cash is Sent with Order at Above Prices

THE "RABBETH" HANDLE DRAG

This drag is a great help when landing large fish, especially tarpon and tuna. It is intended as a substitute for the regular handle and by its use the reel is entirely under the control of the angler's right hand. It lessens the chances of a fish escaping for if the fish suddenly decides to run the drag will make the necessary allowance and even if you continue to turn the handle no harm can be done. When the rush is over the turning of the handle recovers the line in the usual way. It is made of German silver and regularly furnished with 7/32, 1/4 or 5/16 inch square hole or 7/32 inch screw thread. If the hole in your reel handle is different from the above sizes the next smaller one will fit if the hole in the drag is filed slightly.

No. 1. State size when ordering..... $4.50

THE "GOVERNOR" DRAG

This operates like the "Rabbeth" but is for lighter reels.

		Nickel	Ger. Silver
No. 2.	For striped bass, bluefish, muskallonge, etc.....		$2.00
No. 3.	For black bass, pike, pickerel, etc.....	1.00	1.50

WOOD REELS FOR BANK AND RIVER FISHING

The popular reel for deep sea fishing, used on the fishing banks near New York.

No. "A"

No. 6B.

No. 6.

THE "PIPE" BRAND WOOD REELS

No. A.	Plain maple varnished, 5 inch diameter.....	$.25 Delivered	$.35
No. B.	Stained and varnished maple, 6 inch diameter...	.35 "	.45
No. C.	Rosewood stained, plain bearings, "S" plate and large handles, 6 inch diameter.....	.65 Delivered	.75
No. D.	Mahogany, plain bearings, "S" plate 7 in. diameter	.75 "	.90

GOOD LUCK WOOD REELS

Made of tough wood, easy running and long lasting. All wearing parts are made of hardened steel.

These reels cast easier and further than any other of their kind.

No. 5S.	5 inch straight spindle.	$1.25	No. 5B.	5 inch ball bearing.....	$2.10
No. 6S.	6 in. straight spindle.	1.50	No. 6B.	6 in. ball bearing.....	2.25
No. 7S.	7 in. straight spindle.	1.75	No. 7B.	7 in. ball bearing.....	2.75

"BIG CHIEF" BALL BEARING REELS

A high grade ball bearing reel at a medium price. Made of selected wood, heavy S plate, solid reel plate bushed bearings, and two large polished handles, made in two sizes only.

No. 66. 6 inch Ball bearing..... $1.75
No. 77. 7 inch Ball bearing..... 1.75

Delivery Prepaid in U. S. if Cash is Sent with Order at Above Prices

HUNTING LAMPS

JUSTRITE ACETYLENE LANTERN

No. 10

It is small and compact—9¼ inches in height and 4¼ inches wide, nickel plated. Reflector is made of German Silver and is removable. It gives a 20 candle power light, 5 times as brilliant as a lantern. Uses ordinary carbide which is easily carried and is sold in air tight cans, so there is no danger of spoiling one's "grub" or duffle when packed.

No. **10.** In tin carrying box with carbide carrier.....**$3 00**

No. 2877

ELECTRIC CAP LAMP

The cap light is composed of a reflector, battery case (containing the battery) and connecting cord.

The battery case can be carried in the pocket, attached to the belt or carried in any convenient place. The reflector is supplied with a hook in the back for attaching to hat or cap. It throws a powerful light and is a great convenience for surveyors, inspectors and general camp purposes.

No. **2877.** Complete with cord.....**$5.00**

No. **734.** Extra Battery.....**$ .45** No. **1199.** Bulb.....**.13**

Postage on Battery if bought separately, 12c.

BRILLIANT SEARCHLIGHT

A good night companion for the camper, driver, miner, game observer and handy around home. Burns acetylene gas which is generated from calcium carbide. Will burn 8 hours on one filling. Throws a light 200 yds. Generator may be attached to belt and lamp to hat by means of band.

No. **K1.** Black finish. Made with single lens, which spreads the light.....**$5.00**

No. **K2.** With double lens, concentrates the light..... **6.00**

No. **K3.** With interchangeable single and double lens. **6.50**

COLUMBIA HUNTER'S LAMP

This is a neat compacthunter's lamp. It throws a powerful white light, easy to operate, and is strong and durable. Burns acetylene gas and the generator which can be carried on the belt or in the pocket will burn 5 hours on one charge. Outfit consists of a lamp with strap to fasten on hat, generator with belt attachment and rubber gas tubing.

No. **CJ.** Gun Metal Finish...**$4.50**

Delivery Prepaid in U. S. if Cash is Sent with Order at Above Prices

"EVEREADY" FLASHLIGHTS

OPEN AT END

Often the question is asked: "How long will a battery last?" The answer depends on the size of the battery and the amount of use. Take for example the No. 750 battery. If burned continuously the average life is over one hour but Flash Lights are usually called upon only for short periods of light and with the average service two or three months' use may be had from a battery.

The "permanent contact" attachment may be set to operate as a flash or as a continuous light.

OPENS AT SIDE

NICKEL PLATED POCKET FLASHLIGHTS

These we supply in two styles. One with a snap opening at the bottom for inserting the battery and the other hinged at the side, opening very much like a cigarette case.

No. 6961. Size 2 15/16x1¾x¾ inch, opens at Bottom. Complete . . . . . $ .75
No. 6991. Size 3¼x1⅞x¾ inch, opens at Side. Complete 1.00
No. 750. Renewal Tungsten batteries .30 No. 1180. Mazda bulb $.13

No. 6962. 2 15/16x2x¾ inches, opens at bottom, complete 1 00
No. 6992. 3¼x2⅜x¾ inches, opens at side, complete 1 25
No. 751. Renewal Tungsten batteries $ .35 No. 1181. Mazda bulb $ .13

TUBULAR FLASHLIGHTS

STANDARD STYLE, WITH LENS

MINER'S LARGE LENS AND REFLECTOR

STANDARD STYLE

No. 2602. Fibre case, size 5x1¼ inches complete $1 00
No. 2630. Nickeled case, size 5x1¼ inches, complete 1 25
No. 791. Renewal battery $ .30 No. 1182. Mazda bulb $ .13

No. 2624. Cloth covered case, size 6½x 1½ inches, complete 95
No. 2604. Fibre cases, size 6½x1½ inches, complete 1.20
No. 2631. Nickeled cases, size 6½x1½ complete 1.50
No. 790. Renewal Tungsten battery $ .30 1198. Mazda bulb $ .13

No. 2626. Cloth covered case, size 8½x1½ inches, complete 1.00
No. 2612. Fibre case, size 8½x1½ inches, complete 1.40
No. 2632. Nickeled case, size 8½x1½ inches, complete 1 75
No. 705. Renewal Tungsten battery $ .40 No. 1193. Mazda bulb $ .13

MINER'S FLARE FRONT FLASHLIGHTS

Similar to the regular tubular flashlight but with larger lens and reflector. All are fitted with the "permanent contact" attachment.

No. 2616. Fibre case, size 6½x1½ inches, complete $1.50
No. 2634. Nickeled case, size 6½x1½ inches, complete 2.00
No. 790. Renewal Tungsten battery $ .30 No. 1198. Mazda bulb $ .13

No. 2619. Fibre Case, size 8½x1½ inches, complete 1.70
No. 2633. Nickeled case size 8½x1½ inches, complete 2.40
No. 705. Renewal tungsten battery $ .40 No. 1193. Mazda bulb $ .13

Delivery Prepaid on Lamps and Bulbs if Cash is Sent with Order at Above Prices
Separate Batteries will be mailed if postage is enclosed at parcel post rate

DECOYS AND DECOY WEIGHTS.

KANKAKEE WOOD DUCKS.

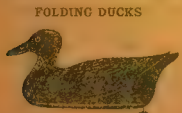
Mallard, Canvas Back, Red Head, Blue Bill, Sprig Tail and Blue Winged Teal.

No. 1—Glass eyes, best grade, assorted, per dozen .....DIE $9.00
No. 2—Tack eyes, second grade, assorted.....per dozen DBE $7.70
No. 3—Painted eyes, third grade, assorted. per dozen CFJ $6.50
No. 3 not carried in canvas back.
No. A1—Extra quality, glass eyes, mallards only, assorted, two-thirds male and one-third female, w't per doz. 27 lbs.....per dozen JFFJ $12.00
These decoys are made of the best seasoned white cedar, flat bottomed, will float evenly on the water at all times, are well balanced and nicely painted. Assorted one-third female and two-thirds male
ONE DOZEN IN A CRATE. AVERAGE W'T PER DOZEN 33 LBS.

FOLDING WOOD DUCKS.

No. 6—Illinois River, profile, 3 in group, 2 male and 1 female, painted in natural colors to represent male and female mallards, canvas backs, blue bills, black heads, red heads, teal and pintails; mallards will always be sent unless otherwise specified—w't per doz 10 lbs., per dozen .....DIE $9.00
Four floats take one dozen of the decoys. One cord and anchor for each group of three decoys.
ONE DOZEN IN A STRONG CARRYING BOX

FOLDING DUCKS

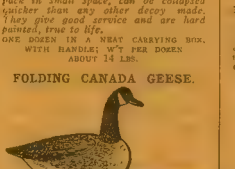


No. 7—Acme, wood base, waterproof cloth form, nicely painted with anchor, folding wire frame, w't per doz. 14 lbs., per dozen JFJE $11.00
ONE DOZEN IN A CASE.

AUTOMATIC CANVAS DUCKS.

No. 14—Collapsible decoys, mallard only, canvas body, wooden float and head block, one wire spring head support, one wire tail support, complete with anchor and cords, assorted 8 males and 4 females to the dozen, per dozen .....JFFJ $12.00
These automatic canvas decoy ducks open up automatically, no lever, no crank, no air pressure, they expand by means of a spring when the anchor cord is unwound. They are light in weight, pack in small space, can be collapsed quicker than any other decoy made. They give good service and are hard painted, true to life.
ONE DOZEN IN A NEAT CARRYING BOX, WITH HANDLE; W'T PER DOZEN ABOUT 14 LBS.

FOLDING CANADA GEESE.



No. 12—Canada geese decoys for land shooting, profile wooden bodies, folding metal heads and folding woollen sticks which may be pressed into the ground, natural appearing, w't per doz. 6 lbs....per dozen JFJE $11.00
ONE DOZEN IN A NEAT CARRYING BOX.

No. 10—Illinois River, Canada geese, profile, 3 in group, colors accurately represented, four floats take one dozen of the decoys, one cord and anchor for each group of three, w't per doz. 12 lbs.....per dozen JGGJ $14.00
ONE DOZEN IN A STRONG CARRYING BOX.

FOLDING PAPER DECOYS.

Johnson's Mallard, Blue Bill and Canvas Back Ducks. Specify Kind when Ordering.

No. 25—Folding decoys, life size, drakes and hens, assorted, printed on a heavy grade of jute cardboard, a very tough stock, put through a waterproofing process which makes it impossible to absorb moisture, made to float by inserting a quarter-inch pine board which fits snugly inside the body when unfolded, board is dyed water color and also water proofed, fitted with a pendulum weight weighing about an ounce to retain its upright position, w't complete 6 oz. per dozen BBJ $4.00
No. 27 Paper [illegible] decoys specially [illegible] per dozen ABJ $6.50
Cheapest, lightest and most natural decoy made. Easily carried in a vest pocket.
ONE DOZEN BOARDS IN A PAPER BOX; ONE DOZEN PAPER PORTIONS IN AN ENVELOPE.

LIVE DECOY FASTENERS.

No. 17—Samuell, flat brass collar, hinged to admit of fastening, riveted ring for cord, w't per doz. 3 oz., per dozen .....ABJ $2.50

Fastens around neck and has many advantages over leg fastening. Ducks can remain in water longer, as they have better use of their feet. Don't splash water all over you when taking them up.

DECOY WEIGHTS.

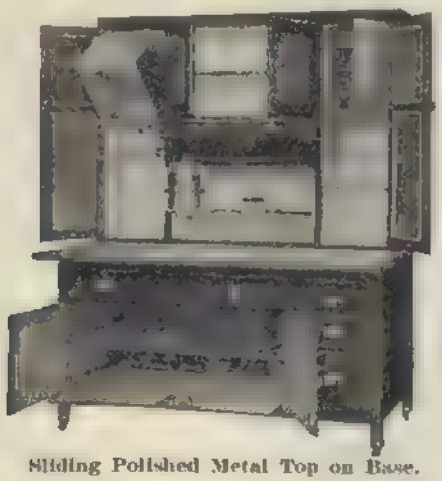
No. 15—Galvanized iron, 4¼x2¼ in., w't per doz. 6 lbs., per dozen .....JJJ $1.50

*KITCHEN CABINETS

"I-XL"

"I-XL" Kitchen Cabinets are well made of carefully selected lumber; every detail of these cabinets is the result of a system brought about by experience. They are finished with moisture proof satin finish varnish; interior of drawers and inside of door varnished.

Oak, Golden Oak Finish, Waxed, Nickel Plated Trimmings; White Enameled Interior Top Compartments; Drop Roll Curtain, 8-Ply Oak Panels in Ends and Doors.



Sliding Polished Metal Top on Base.

Each

No. 85-90 73 in. High, 56½ in. Wide, 28 in. Deep, Glass Jar Equipment, Metal Bread and Cake Drawer. Weight Each Crated 300 Lbs. . . . **$51 25**

Sliding "Albatron" White Porcelain Top on Base.

No. 85-90A 73 in. High, 56½ in. Wide, 28 in. Deep, Glass Jar Equipment, Metal Bread Drawer. Weight Each Crated 300 Lbs. **$58 75**

Sliding Polished Metal Top on Base. Each

No. 86-91 73 in. High, 48 in. Wide, 28 in. Deep, Glass Jar Equipment, Metal Bread and Cake Drawer. Weight Each Crated 260 Lbs. . . **$44.75**

Sliding "Albatron" White Porcelain Top on Base.

No. 86-91A 73 in. High, 48 in. Wide, 28 in. Deep, Glass Jar Equipment, Metal Bread and Cake Drawer. Weight Each Crated 260 Lbs. **$51 25**

Sliding Polished Metal Top on Base. Each

No. 74-16—70 in. High, 40 in. Wide, 28 in. Deep, Glass Jar Equipment, Metal Bread and Cake Drawer. Weight Each Crated 230 Lbs. **$36 25**

Sliding "Albatron" White Porcelain Top on Base.

No. 74-16A—70 in. High, 40 in. Wide, 28 in. Deep, Glass Jar Equipment, Metal Bread and Cake Drawer, Weight Each Crated 230 Lbs. **$41.75**

Sliding Polished Metal Top on Base. Each

No. 71-16—70 in. High, 40 in. Wide, 28 in. Deep, Glass Jar Equipment, Metal Bread and Cake Drawer, Weight Each Crated 230 Lbs. **$35 75**

Sliding "Albatron" White Porcelain Top on Base.

No. 71-16A—70 in. High, 40 in. Wide, 28 in. Deep, Glass Jar Equipment, Metal Bread and Cake Drawer, Weight Each Crated 230 Lbs. **$41.25**

Sliding Polished Metal Top on Base. Each

No. 28-25—70 in. High, 40 in. Wide, 25 in. Deep, Glass Jar Equipment, Metal Bread and Cake Drawer, Weight Each Crated 200 Lbs. **$29 75**

Sliding "Albatron" White Porcelain Top on Base.

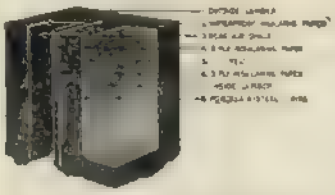
No. 28-25A—70 in. High, 40 in. Wide, 25 in. Deep, Glass Jar Equipment, Metal Bread and Cake Drawer, Weight Each Crated 200 Lbs. **$35 25**

***Not Carried in Stock; Sold Only for Shipment Direct from Factory.**

McKEE REFRIGERATORS

We carry a full line of McKee Refrigerators. For further information write us for special catalog illustrating and describing these Refrigerators.

No 721



Cut Shows Construction

Good insulation, such as is used in McKee Refrigerators, is obtained by building double walls, well protected by waterproof sheathing and hairfelt, and with a dead air space between them.

The dead air space prevents the passage of hot or cold air through the walls of the refrigerator, and the hairfelt, which is absolutely odorless and will not decay, offers additional resistance to changes of temperature.

The trap is one of the most important features of the refrigerator. Its function is to prevent warm air and odors as well as vermin, from rising into the refrigerator through the drain pipe.

The new McKee perfection trap is placed inside the provision chamber at the back, and consists of three parts, as shown in the cut. The parts fit into each other and shut off the passage of air completely, while allowing the waste water to drain off readily. The drain pipe fits into the top of the trap and the whole arrangement can be taken out and cleaned in a few seconds

Cut Shows Tray.

In order to obtain good results from a refrigerator it is essential that there be constant circulation of air within Such circulation is obtained in McKee refrigerators by properly arranging the ice rack and flues so as to take advantage of the fact that cold air is heavier than warm.

As soon as the air becomes warm it ascends through the flues till it comes in contact with the ice, then, cooled and purified, it again drops and passes into the provision chamber.

This circulation continues automatically as long as there is ice in the refrigerator, and insures a low temperature and absence of moisture or odors

The wire mesh shelves allow the air to circulate freely in all parts of the provision chamber.

ARLINGTON REFRIGERATORS

We carry a full line of Arlington Refrigerators. For further information write us for special catalog illustrating and describing these Refrigerators.

Arlington Refrigerators are fitted with heavy woven wire shelves. These shelves are coated with pure block tin, are rustless and sanitary, and afford a free circulation of air.

Insulation must be efficient to produce economical refrigeration. The walls of all Arlington Refrigerators have eight heat resisting surfaces, as follows, thereby cutting the ice consumption to a minimum

1—Exterior Case.
2—Waterproof Sheathing
3—Dead Air Space
4—Waterproof Sheathing.
5—Eel Grass
6—Waterproof Sheathing.
7—Interior Case
8—Interior Lining.

The fundamental principle of the heavier, cold air displacing the warmer and lighter air is, of course, the only way in which to secure a circulation. In Arlington Refrigerators the ice is always as near the top of box as practicable and large flues are provided to permit an easy escape of the cold air from the ice chamber

No. 102

A good circulation of air throughout the interior is imperative. It means a dry refrigeraor, which is quite as important as a cold one

AUTO SUNDRIES

"TIGER" HAND ACTUATED HORN.

K4566—A low priced general utility horn for all purposes. Screw mounting on steel spring base. Handle projects back of horn, permitting easy grasp of same at all times. Finished and well japanned. Highest grade black baked enamel, nickel bell. Complete with bracket. In carton. Ea. $2.50

"LONG" HAND ACTUATED HORN.

K4183—Large size, 9 in., black enameled outside nickel plated in side, deep long roll sound wave motor operated by push-rod bracket adjustable to any fore door car. Each, $5.60

"HIPWELL" ELECTRIC HORN.

K3977—Guaranteed, black enameled on brass, nickeled inside projector, vibrator type, platinum points, high grade motor. Complete with wire and push button. Each, $2.95

"NEWTONE" ELECTRIC HORNS.

Improved in new and special design, a fully guaranteed horn of high reputation. Economical to operate—consume little current.

K4179—"Superior." Big in black enameled motor case and projector, nickeled bell, new improved motor with silver steel diaphragm, adjustable bracket..... Each, $5.50

K4174—Model M. 12 in. black enameled, solid brass nickel plated projector, polished nickeled bell, large new type motor with improved diaphragm..... Each $8.50

"JERICHO" FOOT HORN.

K3970—Aluminum special size for Ford cars only. Attached in 30 minutes. Complete with foot pedal, wire and cable..... Each, $2.60

FORD MODEL "LONG" HORN

A medium priced warning signal intended especially for Ford cars, but will fit any fore door car.

K3900 Black and nickel finish and actuated, same construction as the large model, but lighter and smaller. With bracket, 1 in box Each, $4.50

"NEWTONE" HANDPHONE.

K4170 - 9 in. black enameled motor case and projector, nickeled bell, vanadium steel diaphragm, coil steel spring, operated by push-rod, produces large volume of sound waves readily, may be used for either side of car. Each $4.00

STEWART HAND ACTUATED HORN.

K4461 325 Gives a strong clear warning, built for hard service, machine cut hardened gears with ball and roller bearings, all of thoroughly tested materials. Screws and adjustable bracket. 1 in wood box Each $3.25

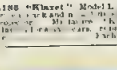
KLAXON

"The Public Safety Signal"

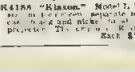
Widely Advertised, fully guaranteed. Produces the genuine Klaxon warning signal. Total variable range between 2 tones, 4 inches, and 4 inches, and will produce a grand assortment of tones. Each equipped with push button and wiring (except Hand Klaxon) and fixtures.

K4185—"Hand Klaxon." Black and nickel finish, long projector. Can be attached to any fore door car Each $5.62

K4187 "Klaxonet." Model L, motor 3 cm. Black and nickel finish. The small "Klaxon" adapted for medium sized popular priced cars Each $11.25



K4188 "Klaxon." Model L large size, black enameled projector and motor case, nickel bell, long projector. The "Klaxon" for large cars. Each $15.00



"STEWART" FORD SIZE SPEEDOMETER.

Stewart instruments represent the highest achievements in construction for indicating speed of motor cars. You can buy no better

Stewart's Model 100 "Ford" special — Locating type 3 in. dial. 60 m. speed, and 1,000 mile recording odometer 100 m. trip reset. Each $7.00
In case of 10, $6.75

"STEWART" SPEEDOMETERS.

We can furnish any model desired Stewart products embody all that is best in the construction of speed indicating instruments. None better on the market.

K Model 96 Pointer type 3 in. dial, 60 mile trip, 100,000 mile register. Each $13.34

K Model 106 Rotating, 3 in. dial 60 mile, 100 mile trip, 100,000 mile register. Each $16.67

K Model 103D—Model 102, described above, with 24 in Stewart clock above it, on adjustable bracket. Each, $26.67

NOTE—When ordering give complete specifications, including make and model of car, size of front tire and whether left or right hand drive. These specifications must be ordered from the factory which means a delay of 2 or 3 days in filling orders.

AUTOMOBILE SAFETY LOCK.

GUARANTEED. Endorsed by all leading insurance companies.

The "Spark-No" device locks both [illegible] Mechanic and "no" of motor. When [illegible] and [illegible] to make [illegible] and [illegible] The same [illegible] If the lock is tampered with [illegible] wiring are concealed, there [illegible] impossible to think of [illegible] unless the spark is put on a neutral [illegible] [illegible] [illegible]

KLAXON SPECIAL HORNS

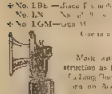
See opposite Page for Regular Horns

KLAXON TYPE L

This is the Long Horn Type and is the Most Popular Car Horn Selling. Improved Coil Buzzer Mechanism. Can be Attached to Either Right or Left Hand Side of Car. To change from Right to Left Hand, remove Cover Screws and Turn to Left. Comes Complete with Push Button and 10 feet of Cord.

		Each
No. LB	Polished Brass	$30 00
✣ No. LBz	Brass Finished	30 00
No. LN	Nickel Plated	30 00
✣ No. LGM	Gun Metal	30 00

One in a Case, Weight 7 lbs.



KLAXON TYPE S

Made with the Same Number and of the Same Construction as the Type L, Only Has Short Horn Instead of Long One. Is of Handsome Appearance and of the Same Tone and Volume of Sound as Type L. Can be Attached to either the Right or Left Hand Side of Car. Comes Complete with Push Button and Wire and 10 Feet of Cord.

		Each
No. SB	Polished Brass	$30 00
✣ No. SBE	Black Enameled	30 00
✣ No. SN	Nickel Plated	30 00
✣ No. SGM	Gun Metal	30 00

One in a Case, Weight 7 lbs.

KLAXON—MARINE DECK

On the Water the Klaxon Is Audible for Two Miles or More in Fog Its Blast is Always Clearly Traceable. Its Ability to Penetrate Fog Bank is Due to the Peculiar Saw Tooth Character of Its Sound Waves. Fitted on Bulkhead Bracket which Permits of the Horn Being Easily Removed for Storing. Comes Complete with Push Button and 10 Feet of Covered Insulated Wire.

		Each
✣ No. MB	Polished Brass	$30 00
✣ No. MBE	Black Enameled and Brass	30 00
✣ No. MBN	Black Enameled and Nickel	30 00
✣ No. MBS	Black Enameled	30 00
✣ No. MN	Nickel Plated	30 00
✣ No. MGM	Gun Metal	30 00

One in a Case, Weight 7 lbs.

KLAXON—HAND OPERATED

The Hand Klaxon Operates on the Klaxon Principle of a Steel Diaphragm set in Vibration by a Toothed Wheel. This Wheel is Rotated by a Train of Gears that Speed Louder Pressure on the Hand Ball Increases the Klaxon Warning Note and Quickens the Repeat Interval. The Hand Ball is Cushioned to Prevent Jar and Consequent Fatigue to the Operator. The Hand Horn is Identical with that on the Electric Klaxons.

FOR AUTOMOBILES

	Each
No. HBE—All Black Enameled	$11 30 7.50

One in a Case, Weight 8 lbs.

HAND KLAXONET

A real Klaxon—not the Klaxon note and Klaxon quality. Operates on an entirely novel principle. Its plunger is very short, a slight push gives an instantaneous response and a very loud note. Same power as Type L.

FOR AUTOMOBILES

	Each
No. KHBE—All Black Enamel	$8 50 4.00

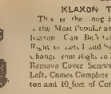
One in a Case, Weight 5 lbs.

FOR MOTORCYCLES

With Short Projector and Special Attaching Brackets

	Each
No. KHMN—Nickel	$8 50 4.00
✣ No. KHMBE—All Black	8 50 4.00

One in a Case, Weight 5 lbs.

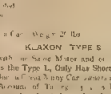


KLAXONETTE—TYPE L

Is the True Klaxon Warning Note in Smaller Size. Is Loud, but Open to Some People as Especially Desirable for Small Cars. Complete with Long Push Button and 10 Feet of Insulated Wire.

		Each
No. KLB	Polished Brass	$23 50
✣ No. KLBE	Black Enameled	23 50
No. KLN	Nickel Plated	23 50
✣ No. KLGM	Gun Metal	23 50

One in a Case, Weight 5 lbs.

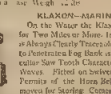


KLAXONETTE—TYPE S

Other Features are Same Description as Type S, Except Is Same Size as Type L and Is Short Horn Especially Adapted for Small Cars. Is Loud for Its Size and Takes Very Little Room. Operates on Dual Voltage. All the Above Accessories can be had from your or Six Dry Cells. Complete with Push Button and 10 Feet Insulated Wire.

		Each
No. KSB	Polished Brass	$20 00
No. KSBE	Black Enameled and Brass	20 00
No. KSBN	Black Enameled and Nickel	20 00
✣ No. KSBZ	Black Enameled	20 00
✣ No. KSN	Nickel Plated	20 00
✣ No. KSGM	Gun Metal	20 00

One in a Case, Weight 5 lbs.

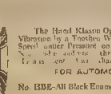


KLAXONETTE, MARINE DECK

Made with the Same Horn as the Type L but Has a Screw Base with Terminals for Connecting Battery Current. Comes with Push Button and 10 Feet Insulated Wire.

		Each
No. KML	Polished Brass	$24 00
✣ No. KMBE	Black Enameled and Brass	24 00
✣ No. KMBN	Black Enameled and Nickel	24 00
✣ No. KMBE	Black Enameled	24 00
✣ No. KMN	Nickel Plated	24 00
✣ No. KMGM	Gun Metal	24 00

One in a Case, Weight 5 lbs.



KLAXET TYPE L

This is the Klaxon Warning Note in the same principle as the Klaxonette but Has a Slight Difference in Tone.

Complete with Push Button and Wire

		Each
No. KB	Polished Brass	$23 50
No. KBE	All Black Enameled	18 50
No. KN	Nickel Plated	23 50
✣ No. KGM	Gun Metal	18 50

One in a Case, Weight 5 lbs.

KLAXON—HAND OPERATED

The Hand Klaxon operates on the Klaxon Principle of a Steel Diaphragm set in Motion, Vibration by a Toothed Wheel. This Wheel is Rotated by a train of Gears that Speed up an High Speed under pressure on the Push Ball. The Harder you Push the more Klaxon Warning Notes are sounded per minute. The Hand Horn is identical with that on the Electric Klaxons.

FOR AUTOMOBILES

	Each
No. HBE—Black Enameled and Brass	$11 30
No. HBN—Black Enameled and Nickel	11 30 7.50

One in a Case, Weight 8 lbs.

FOR MOTORCYCLES WITH HANDLE BAR CLAMP

	Each
✣ No. HMN—All Nickel	$11 30 7.50
✣ No. HMBE—All Black	11 30 7.50

One in a Case, Weight 8 lbs.

HAND KLAXONET

A real Klaxon—not the Klaxon note and Klaxon quality. Operates on an entirely novel principle. Its plunger is very short, a slight push gives an instantaneous response and a very loud note. Same power as Type L.

FOR AUTOMOBILES

	Each
No. KHBE—All Black Enamel	$8 50 4.00

One in a Case, Weight 5 lbs.

FOR MOTORCYCLES

With Short Projector and Special Attaching Brackets

	Each
No. KHMN—Nickel	$8 50 4.00
✣ No. KHMBE—All Black	8 50 4.00

One in a Case, Weight 5 lbs.

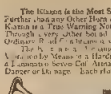
Items Marked ✣ Not Carried in Stock; Can Only Be Furnished by Shipping Direct From Factory, Newark, N. J.

KLAXON REGULAR HORNS

Special Klaxon Horns Shown on Left of This Page

The Klaxon is the Most Startling and Effective Signal Ever Devised for Automobiles or Motor Boats. It is Far More Powerful and Can be Heard Further than any Other Horn or Whistle and by Reason of a Peculiar Alternate Tone Vibration Is Unmistakable As Other Sounds. The Note of the Klaxon is a True Warning Note — Not Pleasing or Musical, but Full of Meaning, Unmistakable, Compelling Respect, Demanding Attention. It Can Be Heard Through Every Other Sound — Is Instantly Recognized Without Conscious Need of Thought — Hence Its Value. May Be Heard a Mile or More Under Favorable Conditions. Only a Quarter of a Mile or More in Crowded Streets.

The Klaxon is a Harmonic Note Sounder operated by Alternating Current. It is Sounded Positively by a Touch Vibrating Diaphragm Set in Rapid Vibration by Means of a Hardened Tooth Wheel and Pinion Operated on a Spring Governor. Also Operates as Easily, Surely and Powerfully on Battery Current of a Locomotive Service Coil. Operates on a Commutator of Standard Type. Klaxon Horns are Dust and Waterproof, Can be Cleaned with a Hose without Danger or Damage. Each Horn is Supplied with Push Button to Match Finish of the Instrument Used and 10 Feet of Double Covered Insulated Wire.



KLAXON—TYPE L

This is the original Klaxon with the Long Projector and is Every Horn made there, thereby Keeping up with the Large and ever increasing Demand for Klaxons. Has a very sharp note. Can be Distinguished Miles away by a Touch of the Klaxon Quality. Is Beautifully in Keeping with any Car. Adds Quality Value to the Car. Is one of the Glass Hard Steel Wire, also to the Coast Guard Station on the Diaphragm for any Climate. Is the Only Warning Note, totally unlike any other Car Warning Note, totally unlike any other Car.

Complete with Push Button and Wire

		Each
No. LBB	Black Enameled and Brass	$30 00
No. LBN	Black Enameled and Nickel	30 00

One in a Case, Weight 20 lbs.

KLAXON—TYPE S

Made with the Same Number and of the Same Construction as the Type L, Only Has Short Horn Instead of a Long One. Is a Good Mate for Owners Preferring Short Horns. Is Same in Tone, Quality, Volume and Price as the Type L. Can be Operated on 6 Volts for Road or Light and Side or Tail. Comes to Suit Klaxon Warning Note as the Type L.

Complete with Push Button and Wire and 10 Feet of Cord

		Each
No. SBB	Black Enameled and Brass	$30 00
No. SBN	Black Enameled and Nickel	30 00

One in a Case, Weight 19 lbs.

KLAXONETTE—TYPE L

The Klaxonette operates on the same principle as the Klaxon. Has the true Klaxon Warning Note but at a higher or Flatter Pitch. Is suitable where the Best Loud Motor Note is not Desired. Is Very Loud. The Motor is wound for Six Volts and Consumes but Two and One-half Amperes at that Voltage. Four to Six Dry Cells are quite sufficient to operate more satisfactorily. Has Long Type Projector and Oval Bell.

Complete with Push Button and Wire

		Each
No. KLBB	Black Enameled and Brass	$22 50
No. KLBN	Black Enameled and Nickel	22 50

One in a Case, Weight 10 lbs.

KLAXET TYPE L

The Klaxet is a little smaller than the Klaxonette, but operates on the same principle by a Steel Diaphragm Vibrated by an Electric Motor. Produces the true Klaxon Warning Note—Abrupt, Imperative and to the Point. It is Especially well made and Reliable and is used on the Regular Klaxon Guarantee. Requires from Four to Six Dry Cells to Operate.

Complete with Push Button and Wire

		Each
No. KBB	Black Enameled and Brass	$12 50
No. KBN	Black Enameled and Nickel	12 50

One in a Case, Weight 5 lbs.

KLAXON—HAND OPERATED

The Hand Klaxon operates on the Klaxon Principle of a Steel Diaphragm set in Motion, Vibration by a Toothed Wheel. This Wheel is Rotated by a train of Gears that Speed up an High Speed under pressure on the Push Ball. The Harder you Push the more Klaxon Warning Notes are sounded per minute. The Hand Horn is identical with that on the Electric Klaxons.

FOR AUTOMOBILES

	Each
No. HBB—Black Enameled and Brass	$11 30
No. HBN—Black Enameled and Nickel	11 30 7.50

One in a Case, Weight 8 lbs.

FOR MOTORCYCLES

		Each
No. HMBB	Black Enameled, Long Clamp, w/ Handle Bar Clamp	$11 30
No. HMN	Nickel, Long Clamp, w/ Handle Bar Clamp	11 30 7.50

One in a Case, Weight 8 lbs.

HAND KLAXONET

A real Klaxon has the Klaxon note and Klaxon quality. Operates on an entirely novel principle. Its plunger is very short, a slight push gives an instantaneous response and a very loud note. Same power as Type L.

FOR AUTOMOBILES

	Each
No. KHBB	Black Enameled and Brass	$8 00
No. KHBN	Black Enameled and Nickel	8 00

One in a Case, Weight 5 lbs.

FOR MOTORCYCLES

With Short Projector and Special Attaching Brackets

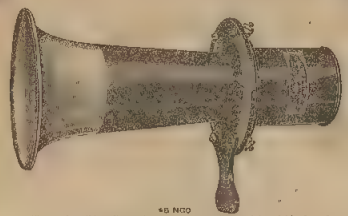
	Each
No. KHBN—Black Enameled and Nickel	$8 00

One in a Case, Weight 5 lbs.

*BINGO ELECTRIC VIBRATOR HORNS

FOR AUTOMOBILES

Operates Off Four or Six Dry Cells or Storage Battery



GOOD LOOKING
FINELY FINISHED
LOW PRICED
THOROUGHLY
RELIABLE

THE BEST ELECTRIC
VIBRATOR HORN
MADE
GOOD TONE
EASILY ADJUSTED

*BINGO

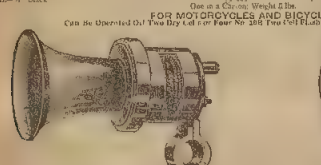
This is a High Grade Electric Vibrator Horn, With a Pleasing Positive and Insistent Peep. It is Intended for those who want a Good Electric Horn at a Moderate Price. Made entirely of Brass Parts and Shells, Nickel Plated and Polished. Can be Furnished with Cowl and Mounting Bolt if Ordered. Every Horn Carefully Adjusted and Fully Guaranteed. Each

No. 1NN—Nickel Plated . . . $3 60
No. 1BB—Black enamel . . . 4 00
No. 1BL—All Black . . . 4 50

One in a Carton. Weight 2 lbs.

FOR MOTORCYCLES AND BICYCLES

Can Be Operated On Two Dry Cells or Four No. 205 Two Cell Flash Light Batteries as Described Below



*BINGO

This is a Special Design Horn for Motorcycle Use. It is Specially Sensitive Switch is Contained in the Horn Body and Can Be Operated with a Small Button on Carrier or Fork Bar. Loose Connections, Fine Adjustments and Other Annoyances Common to Horns of This Type are Entirely Avoided. Horn Furnished Ready to Install.

WITH LONG PROJECTOR

Each

No. 3N—Full Nickel Plated Horn, Requires Four Batteries as Illustrated Below . . . $6 50

WITH SHORT PROJECTOR

Each

No. 3N—Full Nickel Plated Horn, Requires Four Batteries as Illustrated Below . . . $6 00

One in a Carton. Weight 4 lbs.

BATTERY CARRYING CASES

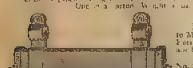
Made of High Grade Kenwood Steel Complete with Two Clamps for Attaching to Machine. Holds Four No. 205 Two Cell Flash Light Batteries which Slide through Rubber Lined Openings and Are Held in Place by Coil Springs. Can Be Used Either Vertically or Horizontally. Always Ready for Instant Use.

Prices Do Not Include Batteries

Each

No. 1C—Nickel Finished . . . $1 70
No. 2C—Nickel and Black . . . 1 70
No. 3C—Black Japanned . . . 1 70

One in a Carton. Weight 4 lbs.



No. 130

BATTERIES

*NORLEIGH DIAMOND

Each Case Requires Four Batteries

Per Doz.

No. 205—Two Cell Flash Light Batteries . . . $3 00

AUTOMOBILE HORNS

CHIME HORNS OR STEAM WHISTLES

As Applied to Exhaust Pipe and Operated by Pedal from Seat, Four Harmonious Tones Combined in One Loud Warning Blast that Clears the Way. Chimes Become Clogged, Works Under Low Pressure and can be Attached to all Cars. Also Adapted to Motor Boats, Launches, etc. Feet, can be Attached to Any Exhaust Pipe. Outside Made of Seamless Brass Tubing. Inside Perfectly Bored, Aluminum Fitted and Tested for a Harmonious Tone.

COMPLETE SETS

Set Consists of Horn, Foot Pedal, Valve, Spring, Nine Feet of Chain and Two Pulleys

HORN SETS COMPLETE WITH No. 2CH HORN

Per Set

No. L 1¼—Fits 1¼ inch Steel Tubing. Weight 7½ lbs. . . . $8 00
No. L 1 . . . 8 00
No. L 1¼—Fits 1¼ inch Steel Tubing. Weight 7½ lbs. . . . 8 00
No. L 2 . . . 8 00
No. L 2½—Fits 2½ inch Steel Tubing. Weight 7½ lbs. . . . 8 00
No. HL . . . 8 00
No. L 1½—Fits 1½ inch Iron Pipe. Weight 27½ lbs. . . . 8 00
No. LIS . . . 8 00

HORNS ONLY

Without Attachments of Any Kind

Each

No. 1CH—Large Horn. Length 11½ inches. Diameter 2½ inches. Weight 8 lbs. . . . $5 00
No. 3CH—Small Horn. Length 11½ inches. Diameter 2 inches. Weight 4 lbs. . . . 3 50

Loose

RUBBER HORN BULBS

Made of Pure Quality Pure Rubber

Size . . . 3 . . . 6 . . . 12 . . . 15
Diameter of Bulb, In. . . . 3 . . . 4 . . . 4 . . .
Length of Bulb, In. . . . 4 . . . 5 . . . 6 . . . 6½
Weight Per Doz. Lbs. . . . ½ . . . ¾ . . . 1½ . . . 1½
Per Dozen . . . $7 00 . . . $ 00 . . . 10 00 . . . 12.00
One in Box

SPECIAL FOR FORD CARS

Per Dozen

Ford Special. Same Size as Used by Factory on Ford Cars. Nickel Nipple. Will Fit any Ford Car. Weight per Dozen 5 lbs. . . . $10 00

One in a Box

FLEXIBLE HORN TUBES

Fits All Cars but Fords

Each

No. 1840½—40x½ inch, Weight 12 ozs. . . . $1 20
No. 1850½—50x½ inch, Weight 14 ozs. . . . 1 40
No. 1860½—60x½ inch, Weight 16 ozs. . . . 1 60

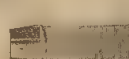
SPECIAL TUBE FOR FORD CARS

Each

No. 1820½—20x½ inch, Weight 6 ozs. . . . $0 70

One in a Carton

HORN REEDS



Tapered, Fits any Automobile Horn

Per Dozen

No. 10075—Length 2½ inches, Weight per Dozen 18 ozs. . . . $6.00

One Dozen in a Box

HORN SETS COMPLETE WITH No. 2CH HORN

Per Set

No. SL¼—Fits 1¼ inch Steel Tubing. Weight 7½ lbs. . . . $8 50
No. SL . . . 8 50
No. SL½—Fits 1½ inch Steel Tubing. Weight 7½ lbs. . . . 8 00
No. S2—Fits 2 inch Steel Tubing. Weight 7½ lbs. . . . 8 00
No. SL¼—Fits 1¼ inch Iron Pipe. Weight 27½ lbs. . . . 8 50
No. S2½—Fits 2½ inch Iron Pipe. Weight 27½ lbs. . . . 8 50
No. S32—Fits 3 inch Iron Pipe. Weight 27½ lbs. . . . 8 50

HORN PUSH BUTTONS

Used on Electric Horns of All Kinds. Complete with Plate to Clamp Around Steering Wheel, Insulated Bushing and Binding Screw

Per Dozen

No. 25—Brass Finish . . . $6 00

Twelve Dozen in a Box

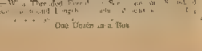
HORN REEDS

For All Standard Equipped Ford Cars

Per Dozen

No. 1002—Made of Spring Steel . . . $3 00

HORN REEDS



Per Dozen

No. 10001—Will Fit Any Ford Horn. Made of Spring Steel. Length of Reed 2 inches. Weight per Doz. . . . $1 00

One Dozen in a Box

"DIAMOND EDGE IS A QUALITY PLEDGE"

HUNTING LAMPS, TORCHES AND GALLERY TARGETS.

HUNTING LAMPS.

No. 90—Columbia, acetylene, brass, gun metal finish, with headlight 6 oz., 1 qt. 2 pt. tin, ground iron reflector, with tube for burner, generator 5½ in. long, 3 in. in diam, carbide capacity for 5½ hours, wt 16 oz., each .....DEJ $7.50

No. 2SG—Kruschke, acetylene, single lens, 6x2¼ in. generator, convex glass, 4 in. diam., style 2 adjustable candle burner, hinged front door to shut off light, 3 ft. of ¼ in. rubber tubing, leather head strap, wt complete 2 lbs. .....each DHJ $8.00

No. 2SD—Acetylene, double lens, with heavy magnifying 2½ in. bull's eye lens; otherwise same as No. 2SG, each .....EAJ $8.50

ONE IN A BOX.

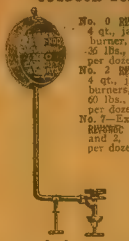
No. 100DG. No. 290DG.

No. 100DG—Justrite, nickel plated brass, height 3¾ in., 2 in. German silver reflector, with hood, improved burner, [illegible] to keep hot, and cook, complete with wire, [illegible] lock, instructions and directions, wt 1 lb. 10 oz. per dozen ADDJ $24.00
Extra burner for one filling

No. 290DG—Bull's, brass, nickel plated and highly polished, height 3¾ in., hinged [illegible] for cap or belt, concentrating reflector, with extra carbide container, wt each 2 oz. .....per dozen AFBJ $7.00
One [illegible] gives 14 candle power for [illegible] hours

ONE IN A CARTON; ONE DOZEN IN A [illegible]

OUTDOOR TORCHES.



No. 0.

No. 0 BURNING—Gasoline, 4 qt., japanned tank, 1 burner, wt per doz. 36 lbs., per dozen ABJJ $20.00
No. 2 BURNING—Gasoline, 4 qt., japanned tank, 2 burners, wt per doz. 60 lbs., per dozen BAPJ $36.00
No. 7—Extra burners, for BURNING torches, Nos. 0 and 2, per dozen JIFJ $16.00

Pipe runs through the tank and is securely fastened on top to the hinge. In use the entire torch is supported by hinge and pipe, with no strain on tank

Made for rough usage. Strong winds will not extinguish the flame

ONE DOZEN IN A CASE.

No. 6.

No. 6 BURNING—Gasoline, 10 qt., galvanized tank, 1 burner, wt per doz. 78 lbs., per dozen BHHJ $48.00
No. 8—Extra burners, for No. 6 BURNING, per dozen ADDJ $24.00

Produces a powerful and steady flame

SIX TORCHES IN A CASE.

No. 1G—Peter [illegible] Gasoline, 5 qt., japanned tank, 1 burner, wt per doz. [illegible] per dozen BHHJ $48.00
No. 9 [illegible] burners, for No. 1G torch, [illegible] .....AJHJ $18.00

ONE IN A CRATE

GALLERY TARGETS.

No. 3—Round, diam. 12 in., ¼ in. thick, with bell and image, made of a grade of metal particularly adapted to stand cartridges, with ¾ in. diam. bull's eyes, wt 12 lbs. .....each CJJ $5.00

When bull's-eye is hit, a bird rises and the bell, similar in sound to an electric bell, rings a few seconds.

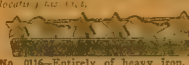
While designed for the use of 22 caliber cartridges, the spring may be quickly adjusted for service as an air rifle target.

We can furnish No. 3 Targets with ¾ in., ⅝ in. and 1 in. bull's eyes at same price for shipment from factory.

No. 19½—Plain round, 6 in. iron, diam., 12 in. [illegible] with ¾ in. bull's eye, for BB caps, ringing gong when bull's eye is hit, self-setting, wt 4 lbs., each AEJ $2.50

No. 19—Same as No. 19½, ¾ in. iron, with ¼, ⅜, ¾ and 1 in. open bull's eye, for 22 caliber cartridges, wt 20 lbs. .....each BAJ $3.50

The construction of the target surface breaks at each numbered circle clear, thus aiding the marksman in locating the hit.



No. 0116—Entirely of heavy iron, for 22 caliber cartridge, birds and stars falling back when hit, 6 objects to shoot at, made for gallery shooting, reset by rope from stand, wt 12½ lbs. .....each AHJ $3.00

No. 0118—Same as No. 0116 but larger, with 8 objects to shoot at, wt 15 lbs., each .....BDJ $5.00

These targets are of standard make and the most extensive users use them. The iron or metal [illegible] used is carefully distributed that the entire target is reset with a slight tug at the rope.

TRAPS.

GAME TRAPS.

Steel With Chain.

No. 100G —Rat, single spring, 3½ in. jaw, w't per doz. 8 lbs., per dozen ..... **AAE** $4.25

No. 101G —Muskrat, single spring, 4 in. jaw, w't per doz. 8 lbs., per dozen ..... **ACE** $5.00

No. 101½G —Mink, single spring, 4¾ in. jaw, w't per doz. 11½ lbs., per dozen ..... **BJE** $7.50

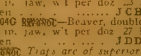
No. 102G —Fox, double spring, 4½ in. jaw, w't per doz. 14 lbs., per dozen ..... **JBHE** $10.50

No. 103G —Otter, double spring, 5½ in. jaw, w't per doz. 23 lbs., per dozen ..... **JCHJ** $14.00

No. 104G —Beaver, double spring, 6½ in. jaw, w't per doz. 27 lbs., per dozen ..... **JDDE** $16.50

Traps are of superior quality. The springs are made from spring steel, carefully tempered. When opened the trap lies very flat so that they can be easily secreted in the runways of animals. The chain is strong, well made and will stand the severest test.

NO. 100s, THIRTY-FIVE, NO. 101G TWENTY-FIVE, NO. 101½G TWENTY, NO. 102G TWELVE, NO. 103G EIGHT, AND NO. 104G FIVE DOZEN IN A BARREL.



No. 1G.

All Steel With Chain.

No. 0G —Rat or Gopher, single spring, w't per doz. 6½ lbs., per dozen ..... **ADE** $4.25

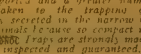
No. 1G —Muskrat, single spring, w't per doz. 8 lbs., per dozen ..... **AGJ** $5.00

No. 1½G —Mink, single spring, w't per doz. 10 lbs., per dozen ..... **BEE** $7.50

Traps of this pattern are popular with trappers because they are light weight, yet strong. They are easily transported and a greater number can be taken to the trapping grounds. Easily secreted in the narrow runways of animals because so compact in form. Traps are strongly made, carefully inspected and guaranteed.

TWELVE DOZEN IN A CASE.

TRAP CLAMPS.



No. 5G—For setting No. 5G, w't per doz. 10½ lbs. ..... per dozen **CDJ** $6.00

No. 6G—For setting No. 6G, w't per doz. 24 lbs. ..... per dozen **JEGJ** $10.00

NEWHOUSE WITH CHAIN.

No. 2G.

No. 0G—Rat, 3½ in., single spring, w't per doz. 7½ lbs., per doz. **BDJ** $4.25

No. 1G—Muskrat, 4 in., single spring, w't per doz. 10 lbs., per dozen ..... **BHE** $5.00

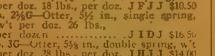
No. 1½G—Mink, 4¾ in., single spring, w't per doz. 15 lbs., per dozen ..... **DBE** $7.50

No. 2G—Fox, 4½ in., double spring, w't per doz. 18 lbs., per doz. **JFJJ** $10.50

No. 2½G—Otter, 5½ in., single spring, w't per doz. 26 lbs., per dozen ..... **JIDJ** $16.50

No. 3G—Otter, 5½ in., double spring, w't per doz. 28 lbs., per doz. **JHJJ** $14.00

No. 4G—Beaver, 6½ in., double spring, w't per doz. 38 lbs., per dozen ..... **JIDJ** $16.50

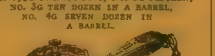


No. 5G.

No. 5G—Bear, 11¼ in., double spring with teeth, w't per doz. 234 lbs., per dozen ..... **JFHDJ** $120.00

No. 6G—Grizzly Bear, 16 in., double spring with teeth, w't per doz. 325 lbs., per dozen ..... **AJFFJ** $230.00

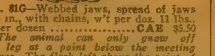
NOS. 0G AND 1G TWELVE DOZEN IN A CASE, NO. 1½G TWENTY-FIVE, NO. 2G FIFTEEN, NO. 2½G TEN DOZEN IN A BARREL, NO. 4G SEVEN DOZEN IN A BARREL.



No. 81G—Webbed jaws, spread of jaws 4 in., with chains, w't per doz. 11 lbs., per dozen ..... **CAE** $5.50

The animal can only gnaw off its leg at a point where the meeting edges. The flesh left above the point of amputation and below the jaws will swell, and make it impossible to pull the leg stump out of the trap.

12 DOZEN IN A CASE.



No. 91G—Double jaw, spread of jaws 5½ in., with chains, w't per doz. 11 lbs. ..... per dozen **CDJ** $6.00

No. 91½G—Double Jaw, spread of jaws 6½ in., with chains, w't per doz. 12 lbs. ..... per dozen **EAE** $9.00

For Muskrat, Skunk, Mink Raccoon, Fox or Woodchuck.

NO. 91G THIRTY DOZEN, NO. 91½G, TWENTY DOZEN IN A BARREL.

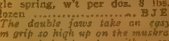
ONEIDA JUMP TRAPS.

Double Jaw with Chains.

No. 91G Muskrat or skunk, double spring, w't per doz. 8 lbs., per dozen ..... **BJE** $6.00

The double jaws take an easy and firm grip so high up on the muskrat that he cannot twist out, neither can the skunk gnaw out. Double jaws rarely break the leg bones because of the double surface.

TWELVE DOZEN IN A CASE.



Single Spring.

All Steel with Chain.

No. 0G—Rat or Gopher, 4 in., single spring, w't per doz. 5½ lbs., per dozen ..... **ADE** $4.25

No. 1G—Muskrat, 4¾ in., single spring, w't per doz. 8 lbs., per dozen ..... **AGJ** $5.00

No. 1½G—Mink, 5½ in., single spring, w't per doz. 10 lbs., per dozen ..... **BEE** $7.50

No. 2G—Fox, 5½ in., single spring, w't per doz. 14 lbs., per doz. **JCEJ** $10.50

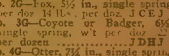
No. 3G—Coyote or Badger, 6½ in., single spring, w't per doz. 22 lbs., per dozen ..... **JDHJ** $14.00

No. 4G—Otter, 7¼ in., single spring, w't per doz. 28 lbs., per doz. **JEFE** $16.50

Jump traps are light, compact and guaranteed as to quality.

NOS. 0G, 1G and 1½G, TWELVE DOZEN IN A CASE, NO. 2G, TWENTY. NO. 3G, TWELVE. NO. 4G, TEN DOZEN IN A BARREL.

VICTOR WITH CHAIN.



No. 1G

No. 0G—Rat, 3½ in., single spring, w't per doz. 7½ lbs. per doz. **AAE** $4.25

No. 1G—Muskrat, 4 in., single spring, w't per doz. 7¾ lbs., per dozen ..... **ACE** $5.00

No. 1½G—Mink, 4¾ in., single spring, w't per doz. 11 lbs., per dozen ..... **BJE** $7.50

No. 2G—Fox, 4¾ in., double spring, w't per doz. 14 lbs., per doz. **JBHE** $10.50

No. 3G—Otter, 5½ in., double spring, w't per doz. 22 lbs. per dozen ..... **JCHJ** $14.00

No. 4G—Beaver, 6½ in., double springs, w't per doz. 34 lbs., per dozen ..... **JDDE** $16.50

PACKED IN BARRELS, NO. 0G, FIFTY-FIVE DOZEN, NO. 1G, FORTY, NO. 1½G TWENTY-FIVE, NO. 2G, FIFTEEN, NO. 3G, TEN, NO. 4G SEVEN.

AUTOMOBILE LAMPS AND REFLECTORS.

COMBINATION OIL AND ELECTRIC SIDE LAMPS.

Nos. 5656, 5662, 5668. No. 5656, showing Reflector open.

COMBINATION.

No. 5656—All brass, side lamps, per pair★.....**JFFJ** $11.00

No. 5662—Black enameled and brass, per pair★.....**JGJE** $11.75

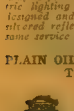
No. 5668—Black enamel and nickel, per pair★.....**JGEJ** $12.50

All lamps are 4½x4½x11 in.

Bulbs not included at above prices.

The view above illustrates the combination oil and electric side lamp, showing the beveled glass separating the oil and electric chambers, absolutely preventing tooting and smoking up of the parabolic reflector. This combination electric lamp is particularly high grade for electric lighting because of the especially designed and built highly polished and silvered reflector, giving practically the same service as an all-electric side lamp.

PLAIN OIL AND COMBINATION TAIL LAMPS.



No. 5657—All brass, combination electric and oil tail lamps, each★.....**CFJ** $6.00

No. 5649—Plain oil, each★.....**CJJ** 5.00

No. 5658—Combination electric and oil, black enamel and brass, each★.....**CGE** $6.25

No. 5653—Plain oil, black enamel and brass, each★.....**CAE** $5.25

No. 5659—Combination electric and oil, black enamel and nickel, each★.....**CIJ** $6.50

No. 5650—Plain oil, black enamel and nickel★.....each **CCJ** $5.50

No. 5655—Plain oil, all nickel, each★.....**CCJ** 5.00

All the above lamps are 4½x4½x11 in. Electric bulbs not included at prices named.

The bulb socket is set in the base of the oil chamber in the corner and far enough away from the oil burner to prevent undue heating or contact with the oil flame.

The same care is used in the manufacture of these as is used in the manufacture of the side lamps.

Combination prop for round or flat brackets, wind shields protecting oil burner from draught, latest oil pot con-

PLAIN OIL SIDE LAMPS.

No. 5660—All brass, per pair★.....**EDJ** $9.00

No. 5662—Black enamel and brass, per pair★.....**BHE** $9.75

No. 5661—Black enamel and nickel, per pair★.....**JFCJ** $10.50

No. 5654—Full nickel, per pair★.....**JFCJ** 10.50

All lamps are 4½x4½x11 in.

The above lamps are same as No. 5656, without the reflector or electric bulb.

Plain type without reflector, combines absolutely high grade workmanship and heavy material with smart design. The heavy stamped bracket is securely bolted through the brass sides of the lamp to a heavy solid steel back as large as the whole side of the lamp, absolutely assuring solidity and stability. These lamps are superior to anything now offered at any price.

OIL TAIL LAMPS.

HAM'S COLD BLAST.

Standard Size

No. 5648—Venus, height including bail 12 in., fitted with 6½ in. heavy polished plate beveled lens, 3 in. ruby lens, fount holds sufficient oil to burn 29 hours, wt 3 lbs.

each.....**DBJ** $7.00

This is a lamp that rough roads and strong winds cannot affect. "Cold Blast" means perfect ventilation and consequently an intense flame that floods the reflector with brilliant white light. Positively no smoke, odor nor soot nuisance. Glass chimney does not "sweat" grease, a simple and effective locking device, founts and bodies of heavy brass riveted throughout and reinforced with steel side plates to relieve all bracket strain. Serves as a trouble lamp by the use of bail. Certainly the most reliable oil tail lamp marketed.

ONE IN A BOX.

DUSTY TAIL LAMPS.

No. 5701—4 in. face, 8½ in. high, black enamel, wt 1½ lbs. each **ADJ** $2.30

This is the best tail lamp ever offered at this price. It is equipped with a patent oskuna lense which prevents blowing out or fouling.

Furnished in above finishes only.

ONE IN A BOX.

★FOR FACTORY SHIPMENT ONLY.

LAUREL.

No. 5647—Heavy gauge black and brass, size of body 4x5 in., a very good lamp at a moderate price, each **BIJ** $4.80

GAUGE LAMPS.

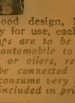
No. 5711—Round type, length 3 in., wired ready for use, each **JIJ** $1.50

No. 5712—Hood design, length 3 in., wired ready for use, each **JIJ** $1.50

Gauge lamps are to be used on the dash of an automobile to light clocks, speedometers or oilers, requiring little space, can be connected with storage battery and consume very little current.

Bulbs not included in price.

CONVERTING REFLECTORS.



Heavy Gauge Brass, Extra Heavy White Silver Plated, Coating Added, Unique and Simple Focusing Device Arranged to Take the Shock of Jolting from the Bulbs, thus Saving the Filament.

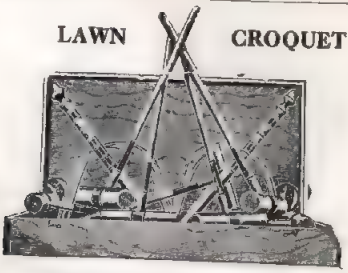
Nos.	5774	5775	5776	5777
Diam., in.	6	7	8	9
Each	$1.30	1.60	1.92	2.34
	JHJ	**JIE**	**AAE**	**ADJ**
Nos.	5778	5779	5780	
Diam., in.	8	9	10	
Each	2.88	3.56	4.08	
	AGE	**BJE**	**BDE**	

This list does not include Bulbs

Measurements taken across the edge of rim.

Reflects recommended at 1 inch on base at $0.40 each additional.

LAWN CROQUET



POPULAR CROQUET SETS

"The Junior"

5-inch headed mallets, striped plain handles, varnished and striped balls and stakes, wire arches in hinged lid box.

No. **4C.** Set for four.....**$1.00** No. **14C.** Set for eight **$1.50**

"The Amateur"

Full varnished 6-inch beaded and striped mallets, balls striped and varnished, turned striped stakes, wire arches. Strong, hinged lid box.

No. **6C.** Set for four.....**$1.50** No. **16C.** Set for eight **$2.50**

"The High-Grade"

Fancy, hand turned mallets, 8 inches long; beaded handles screwed in; lathe polished striped balls, large stakes, flat top arches with sockets.

No. **8C.** Set for four.....**$2.50** No. **X18.** Set for eight, extra fine..**$4.00**

AMERICAN BOXWOOD CROQUET SETS

These sets are of unusually fine quality, the balls and mallets, being made of selected boxwood, and highly finished. They are packed in a substantial lock-cornered box. With reasonable care these sets should last for years.

"The Expert"

This set has 7½-inch plain cylinder heads on mallets, handles screw in and are 26 inches long. Balls are regulation size, selected stock, French polished and striped. Flat top wickets, heavy wire, 5½ inches wide. Have wooden sockets.

No. **625.** Set for four .....**$5.25** No. **725.** Set for eight.....**$7.50**

"The Champion"

Set for 4 players, mallets have 9-inch plain cylinder heads and 26-inch handles to screw in. Balls are French polished and striped. Wickets, heavy, white enameled, 4⅝ inches wide, have wooden sockets. Complete, in polished box.

No. **89.** Set for four.....**$6.00** No. **889.** Set for eight..... **$9.00**

"The Professional"

Mallet heads, 8 inches long, with **nickel-plated bands.** Handles are short (18½ inches) and screw in. Narrow flat-topped wickets, 4⅝ inches, painted, with wooden sockets. Balls are French polished and striped.

No. **80.** Set for four.....**$7.50**

EXTRA BALLS

No. **A.** American Boxwood Balls, striped. Per set of 4.....**$2.50**
No. **B.** Turkey Boxwood Balls, striped. Per set of 4.....**4.00**
No. **C.** Turkey Boxwood Balls, striped. Per set of 8.....**8.00**

LAWN SETTEES AND CHAIRS

Dayton Settee, Cast Iron, 3½ ft. Long.

	Each
No. D159 —Unpainted	$20 00
No. D159P—Painted Green	22 00

Weight Each 100 Pounds.

Dayton Chair, Cast Iron.

	Each
No. D160 —Unpainted	$13.00
No. D160P—Painted Green	14.50

Weight Each 65 Pounds.

KIDDIE-KARS

The Kiddie-Kar is Propelled by Feet on Floor or Ground.

The only practical indoor car. Four different kinds of lumber are used, each piece best for the place.

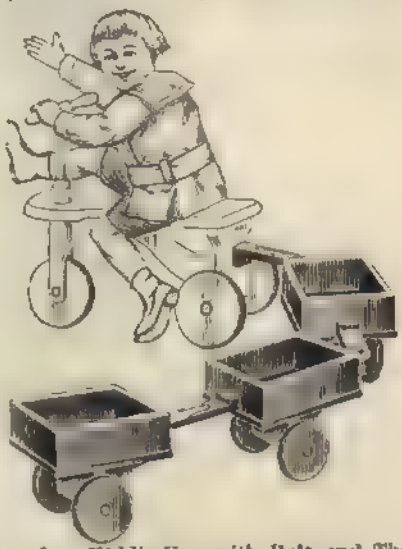
All wheels are made from rock maple treated so as not to warp or shrink out of shape. Bearings of rock maple on steel are self-lubricating and easy running. Long sleeve bearing holds steering post steady. Carefully seasoned selected basswood seat, shaped and sanded smooth. Hardwood handle bar and steering post. All parts are put together with screws (no nails used.)

Finished in Imported Analine Dyes, Guaranteed Unfading, the Finish is Two Coats of Spar Varnish, no Paint is Used.

Nos.	1	2	3	4	5
Height to Seat, Inches	7	8½	10	11½	12¾
Length, Inches	16	17	18	20	22
Weight Each, Lbs	3¾	4½	5¼	6¼	7⅛
Per Dozen	$12 00	21 00	25 00	30 00	36 00

Nos. 1 to 3, Two Dozen Nos. 4 and 5, One Dozen in a Crate.

KIDDIE-KAR TRAILERS



Attaches to Any Kiddie-Kar with Bolt and Thumb Nut Furnished with Each Trailer.

The Kiddie-Kar Trailer, like the Kiddie-Kar, developed out of a genuine child need. The first one being made by a Daddy for his own son. The Kiddie-Kar Trailer makes available a train (one or more Trailers) to be ridden and directed by the kiddie himself. It appeals alike to his love of real action and imagination.

	Per Dozen
No. 125—Selected Seasoned Wood, Length 16¼ in., Width 7½ in., Height 10½ in., Finished in Kiddie-Kar Colors with Kiddie-Kar Quality, Weight Each 4 Lbs.	$18 00

HEAD HELMETS AND HARNESS AND SHIN GUARDS

Nos. 0, BO

Nos. 1H, 2

No. 3

Nos. 1, 4

HEAD HELMETS

No. **OM.** Made of the finest black grain leather, moulded to fit the head perforated for ventilation, has leather sweat band and padded with best white felt. Adjustable chin strap.... **$4.00**

No. **0.** This helmet is made of the finest grain leather, lined with white felt, extra strong. Openings on side give perfect ventilation yet there is no danger of being hurt through same. Adjustable to any size ... **3.00**

No. **BO.** Same as No. 0, but Black grain leather.. ... **3.50**

No. **1H.** A full cover helmet of black grain leather. It is thoroughly padded with wool felt, with an elastic to go under the chin, and is adjustable to any size head. It is a good protection . ...Each **3.00**

No. **2.** Shaped like No. 1H but made of moleskin and leather . . ..Each **2.00**

No. **3.** Made of brown leather lined with white felt. Extra long in back to protect base of brain. Adjustable to any size head... . . **1.50**

HEAD HARNESS

No. **1.** Open style ventilated harness. Made of black grain leather, lined with best white felt. Extra long in back to protect base of brain. Adjustable to any size .....Each **$2.50**

No. **4.** Made on same pattern as No. 1 of a very fine grade of tan grain leather. Well padded and will afford good protection..... **2.00**

No. **5.** A good substantial head harness made of black leather It is well padded and thoroughly ventilated. Adjustable . .... Each **1.00**

FOOTBALL SHIN GUARDS

No. **1.** Best black grain leather, men's size,straps across the entire width of guard, padded, leather bound, cane ribs.....Pair **$1.50**

No. **2.** Brown tan leather, men's size, cane ribs, well padded and bound, an excellent guard in every respect..... Pair **1.25**

No. **3.** Moleskin, finest quality, men's size, cane ribs, well padded and bound..... .Pair **1.00**

No. **4.** Men's size, pebble grain leather, cane ribbed, well padded.....Pair **1.00**

No. **5.** Black leatherette, men's size, cane ribs, well padded and bound, the best guard made at the price .....Pair **.75**

No. **6.** Brown canvas, men's size, cane ribs, well padded..... Pair **.60**

No. **8. Soccer Guard.** Made of brown canvas, felt lined, cane ribs to be worn under stocking and has leather tongue to hold it in place . Pair **.50**

No. **9. Soccer Guard.** Brown canvas fitted with pads to protect the ankles. Leather straps, cane ribs.....Pair **1.00**

Delivery Prepaid in U. S. if Cash is Sent with Order at Above Prices

FOOTBALL WEAR

Our football clothing is finished with great care. The moleskin, khaki and the canvas used is the finest we can procure for the purpose, the padding is correctly placed and the reeds used are tough and strong.

"INTERCOLLEGIATE" UNION FOOTBALL SUITS

Our combination or union suits consist of moleskin pants, our best grade jacket, together with a special wide elastic belt. This suit fits snug yet allows the player to move without hindrance; in fact, the weight of the suit is more on the shoulders than the hips which adds to the speed.

No. **FC.** Suit complete.....**$5.00**

No. **2C.** The make up of this suit is the same as the No. FC; the pants are of our No. 1 grade with a jacket of a good quality canvas and our No. 2B belt.....Each **3.50**

FOOTBALL PANTS

No. OR, O.

No. **OR.** Moleskin football pants, made of the finest and most serviceable drab moleskin. The hips and knees are well padded and the thighs are reinforced with cane strips, affording additional protection. Per pair.....**$3.50**

No. **0.** Moleskin football pants, lace front, made of good grade and weight of moleskin, thighs reinforced with cane strips inserted, padded throughout and extra padding at hips and knees. Per pair.....**$2.50**

No. 2

No. **1.** Football pants made of khaki cloth, extra strong, well padded, lace front, and quilted and sewed with best quality of thread, thighs reinforced with cane. Per pair.....**$1.75**

No. **2.** Football pants made of heavy khaki colored canvas, heavily padded and thoroughly well made. Lace front. Per pair..... **$1.00**

Club allowance 25c. per garment on full team orders

FOOTBALL CANVAS JACKETS

Jackets made of special grades of khaki and canvas. Carefully made eyelets; welted seams, armholes bound with tape and are carefully cut so as to fit perfectly.

No. **1J.** Good grade khaki cloth.....**$1.00**

No. **2J.** Good quality canvas, khaki color..... .50

On jackets, club discount for full team orders, 20%

FOOTBALL BELTS

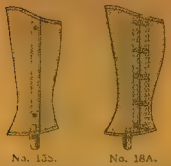
No. **1B.** Special elastic girdle or football belt. Made in one piece and holds the jacket and pants securely, yet allows perfect freedom. 5½ inches wide. Sizes 32-44. Each **$1.50**

No. **2B** Like No. 1B, but of the two-piece construction.....Each **1.00**

Delivery Prepaid in U. S. if Cash is Sent with Order at Above Prices

MEN'S LEGGINGS.

LEGGINGS.

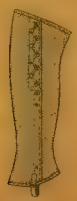


No. 13S. No. 18A.

No. 16S—15 oz., heavy waterproof, tan color, leather bound top and bottom, side spring, sizes 14, 15, 16 and 17, w't per doz. prs. 7¼ lbs., per dozen pairs . . . . . **EDJ** $9 00

No. 18A—18 oz., fine heavy waterproof canvas, tan color, leather bound top and bottom, automatic buckle, sizes 14, 15, 16 and 17, w't per doz. prs. 6¾ lbs., per dozen pairs . . **EGR** $9 60

No. 18L—18 oz., extra fine quality waterproof canvas, tan color, army laced, leather bound top and bottom, sizes 14, 15, 16, 17 and 18, w't per doz. prs. 5¾ lbs., per dozen pairs **JFJ** $10 00



No. 12S—15 oz., waterproof duck, tan color, full bound, spring to knee and laced to thigh, sizes 14, 15, 16 and 17, w't per doz. prs 9 lbs., per dozen pairs **JFEJ** $10 80

LEGGINGS.

No. 8S—Special high grade black chrome grained leather, side spring very strong and serviceable, sizes 14, 15, 16 and 17, w't per doz. prs. 15 lbs. per dozen pairs **BAPJ** $16 00

ONE DOZEN PAIRS IN A BOX.

MOTORCYCLE LEGGINGS.

No. 10I—Knee leggings, heavy calf, Napoleon tops, black grain finish, knob spring fasteners, with patent button, w't per doz. prs. 11 lbs., per dozen pairs . . . . **AHJJ** $30 00

No. 10I

No. 10I—Extra Napoleon top, leather face key spring, w't per doz. prs. 16¾ lbs., per dozen pairs **CBDJ** $54.00

No. 10I—Extra high thigh, with key spring and three patent buckles and an adjustable strap to attach to belt (color black), w't per doz prs 23½ lbs., per dozen pairs★ **CFJJ** $60 00

HALF DOZEN OF ONE SIZE IN A BOX

PUTTEES.

No. 20S—Halco, detachable, excellent grade of leather, one patent clasp, w't per doz. prs. 14¼ lbs. per dozen pairs . . . . . **BIHJ** $48 00

Stylish in appearance and very practical as they are put on and take off by one simple operation of the clasp. Will adapt themselves to the wearer's ankle. Carried in large and small sizes.

No. 09P—Olive drab duck, ¾ in canvas double wrap-strap, patent buckle, sizes 14, 15, 16, 17 and 18, w't per doz prs 9 lbs., per dozen pairs . . . . . **AHIE** $21.60

No. 17S—One piece, finest 6 oz. imported pig-skin, light russet color, molded to fit the leg, seat padding around top, faced down front, lined at the bottom, stitched with silk, ¾ in double wrap-straps, solid brass roller buckles, sizes 15 and 16, w't per doz. prs 15 lbs., per doz prs. **EGFJ** $96.00

ONE PAIR IN A BOX

IN ORDERING LEGGINGS GIVE SIZE OF CALF WITH THE TROUSERS FOLDED.

★FOR FACTORY SHIPMENT ONLY

ICE CHISELS AND SHAVES

No. 101 — 3x3½ inch Stamped Steel Tempered and Polished Blade with two 3-Edge Cutting Points, Polished Hardwood Handle with Heavy Tinned Iron Cap 2 inches in Diameter, Steel Ferrule Length Over All 14½ inches, Weight per Dozen 9 lbs. — Per Dozen $4 00
Half Dozen in a Box

No. 1006—4½x2¾ inch Stamped Steel, Tempered and Polished Blade with Knife Edge Points, Polished Hardwood Handle, Steel Ferrule Length Over All 16 inches, Weight per Dozen 5 lbs. — Per Dozen $4 50
Half Dozen in a Box

HALSEY ICE CHIPPERS — Per Dozen

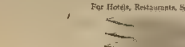
No. 7—Hardwood Handle, Tinned Steel Shank with 9 inch Polished Hardwood Handle, Tinned Steel Shank and Shoulder Riveted 9 Highly Tempered Needle Points, Width at Shoulder 3 inches, Steel Ferrule, Length Over All 15 inches, Weight per Dozen 5.5 lbs. — $4 50
One in a Carton, nine Dozen in a Box

No. 10—4½x2¾ inch Stamped Steel, Polished Blade, Plain Handle, Steel Ferrule Length Over All 9 inches, Weight per Dozen 8¾ lbs. — Per Dozen $3.00
One Dozen in a Box

No. 906—3½x2 inch Steel Blade, Japanned Heavy Cast Iron Handle, Length Over All 7 inches, Weight per Dozen 15 lbs. — Per Dozen $8 50
One Dozen in a Box

LIGHTNING ICE CHIPPERS — Per Dozen

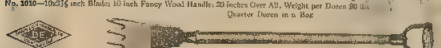
No. 11—Convenient Case Iron Frame Four Points Independent Steel Tips with Beveled Cutting Edges, Wood Ferrule Hexagon Handle Securely Bolted to Shank Width of Frame 2½ inches Length Over All 63/8 inches Weight per Dozen 14 lbs. — $9 00
Three dozen in a Case



EXTRA LARGE ICE CHISELS

For Hotels, Restaurants, Saloons, Soda Founts, Fish and Oyster Packers, etc.

No. 2010—10x2¾ inch Blades, 10 inch Fancy Wood Handle, 23 inches Over All, Weight per Dozen 30 lbs. — Per Dozen $5 00
Quarter Dozen in a Box



"DIAMOND EDGE"

No. DE—7x6½ inch Tempered Cast Steel Blade with Cream Cutting Points, Lower Half Polished, Upper Half and Rivets, Iron Socket, Japanned Black, Finished Ash Handle, Gold Bronzed Malleable Iron D with Hardwood Grip, Length Over All 11 inches, Weight per Dozen 8 lbs. — Per Dozen $16 00
One Dozen in a Crate

GEM — Per Dozen

No. 1 — Galvanized Cast Iron Box 10x2¾ inches, 3 Hinged Leaf Tempered Steel Adjustable Knife Secured to Screw at Back, Width of Blade 1¾ inches, Weight per Dozen 20 lbs. — $9 00
One in a Carton

BRIGHTON — Per Dozen

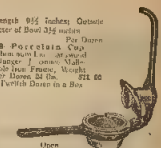
No. 8—Tinned Cast Iron Box 5x2x1¾ inches, with Hinged Leaf Tempered Steel Knife 1¼ inches Wide Screwed to Rivet at Back, Net Adjustable Weight, per Dozen 10 lbs. — $5 50

LEMON SQUEEZERS

Length 9½ inches, Outside Diameter of Bowl 3½ inches — Per Dozen
No. 87—Cast Aluminum Cup, Lid and Plunger Japanese Malleable Iron Frame Weight per Dozen 2.25 lbs. — $30 00
Parcels Dozen in a Box

Closed

Open



Length 9½ inches, Outside Diameter of Bowl 3½ inches — Per Dozen
No. 88—Porcelain Cup, Aluminum Lid and Wood Plunger Japanese Malleable Iron Frame, Weight per Dozen 2.4 lbs. — $21 00
Parcels Dozen in a Box

Open

No. 1888—Extra Porcelain Cups Weight per Dozen 6 lbs. — Per Dozen $3.00

Loose

LITTLE GIANT — Per Dozen

No. 22—Tinned Cast Iron Frame and Hexagon Hand Tinned Steel Malleable Iron Plate Shield, Four Joints to Frame, Size of Frame 3¾x6¼ inches, Length Over All 9¼ inches, Weight per Doz. 16 lbs. — $9 00
Half Dozen in a Box

No. 3—Japanned Cast Iron Frame, Removable Aluminum Cups, 3 Ridges Cups and Legs, Length 9½ inches, Diameter of Cup 3¼ inches, Weight per Dozen 15 lbs. — Per Dozen $8 00

No. 20—Japanese Malleable Iron Frame, Porcelain Perforated Cup, Hardwood Pressure Rib, Length 8½ inches, Diameter of Bowl 3½ inches, Wt. per Dozen 12 lbs. — $1 60

BOSS — Per Dozen

Tinned Malleable Iron Lipped Cup, Rivet Hinge Joint Handle — Per Dozen

No. 05—Length 8 inches, Diameter 3 in., Wt. per Doz. 10 lbs. — $3 50

No. 30—Length 10½ inches, Diameter 4 inches, Weight per Dozen 18 lbs. — $5 50

Half Dozen in a Box

CRESCENT — Per Dozen

No. 190—Tinned Malleable Iron with Stamped Case and Perforated Cup, Length Over All 8 inches, Diameter Bowl 2¾ inches, Wt per Dozen 7 lbs. — $3.00
One Dozen in a Box

STAR — Per Dozen

No. 5—Tinned Malleable Iron with Perforated Cup, Length Over All 8 inches, Diameter of Bowl 2½ inches, Weight per Dozen 12 lbs. — $2.50
One Dozen in a Box

No. 787—Smooth White Maple Frame, Aluminum Ball and Socket, Length Over All 12 inches, Diameter Bowl 3½ inches, Wt. per Doz. 13 lbs. — $10.00
One Dozen in a Carton

Per Dozen

No. 41—Smooth Maple Frame Punched Japanese Malleable Perforated Bowl, Nickel Plated Wrought Steel Hanger, Length 11½ inches, Width 3½ inches, Weight per Dozen 10 lbs. — $12 00
One Dozen in a Box

Per Dozen

No. 9—Smooth Maple Steel Hinge Joint, Length Over All 10 inches, Width 3½ inches, Weight per Dozen 8 lbs. — $8.00
One Dozen in a Box

LIME SQUEEZERS — Per Dozen

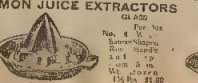
Aluminum Wire Strainer, Oak Cover, Lid is Reversed into Bowl, Steel Malleable Pivot Plug

Lime—Length 7 inches, Diameter of Bowl 2½ inches, Weight per Dozen 4 lbs. — $27 00
One Dozen in a Box

LEMON JUICE EXTRACTORS

GLASS — Per Dozen

No. 1—Body 3¾ inches in Diameter, Top 2¾ inches in Diameter, Height 3¾ inches, Weight per Dozen 4 lbs. — $1.00
One Dozen in a Box



GLASS — Per Box

No. 4—Wire Squeezer, Nickel Plated Handle and Cup, Glass Bowl, Wt. per Dozen 15½ lbs. — $1.00
Third Dozen in a Box

ALUMINUM — Per Dozen

No. 24—Fine wire cloth Tumbler, Perforated Bottom, Height 3¼ inches, Weight per Dozen 3 lbs. — $1 80
One Dozen in a Box

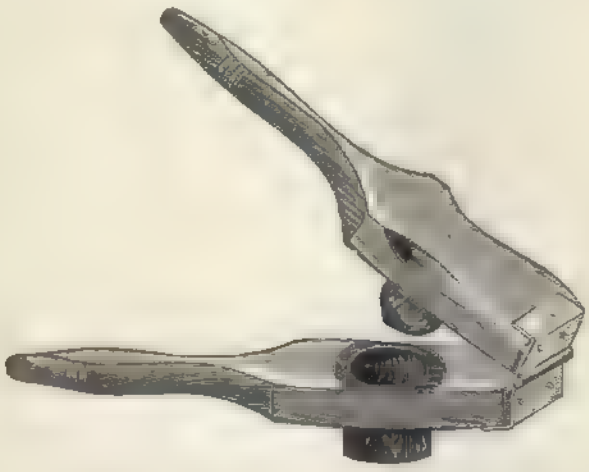
"DIAMOND EDGE IS A QUALITY PLEDGE"

LEMON SQUEEZERS

No. 794 "Picnic" porcelain ball and bowl, white maple handles, weight per dozen about 7 pounds, per dozen $1 80

No. 795 Wood ball, 2 inch cup, white maple handles, weight per dozen about 8 pounds, per dozen $1 20

Three dozen in a crate

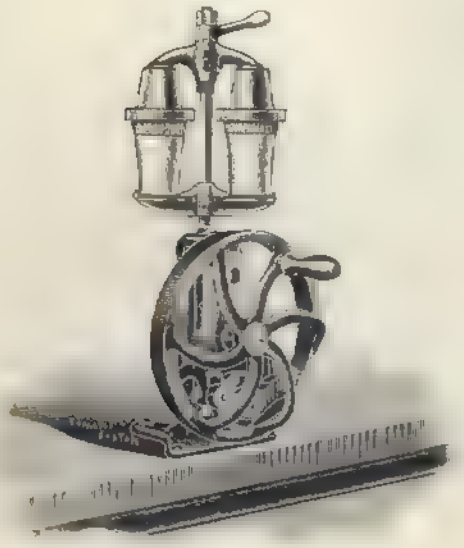


No. 47 Walker's, made of hard maple, lignum-vitae bowl, nickel hinge, weight per dozen 15 pounds, per dozen $10 00

No. 47 Samson, made of hard maple, with grooved masher, nickel hinge. A good squeezer for family or other use. Weight per dozen about 12 pounds, per dozen $10 00

MILK SHAKERS

WALKER'S QUICK AND EASY



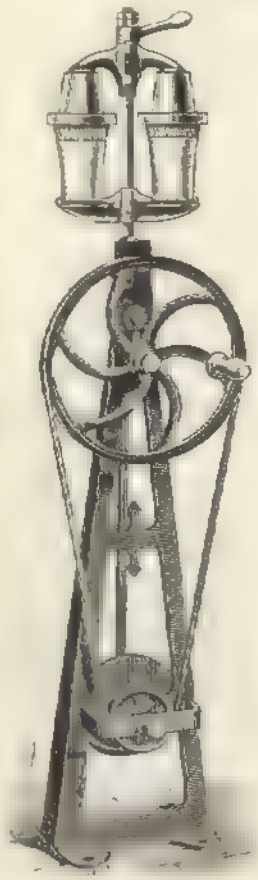
No. 48½

No. 48½ For counter and table use. Stands 22 inches high. Nickeled and japanned. Operated with rubber friction. Takes but little room. Adapted for soda fountains and street stands. Price of Shaker with aluminum caps, each $11 00

Weight 35 pounds

*No. 48 Secured to floor. Easily operated. Nickeled and japanned. Packed one in wood case. One half dozen tumblers with each Shaker, and directions for making syrups. Price with aluminum caps each.... $15 00

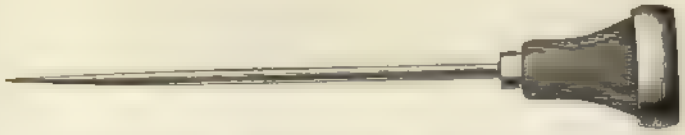
Weight 60 pounds



No. 48

*Not carried in stock, can be shipped promptly from factory

ICE PICKS



No. 94A Tempered steel, nickel plated, tinned cap, 2½ inch taper needle point. Length of pick 6¼ inches over all 8½ inches, weight per dozen 2½ pounds. . . . . per dozen, $1 50

One half dozen in a box

No. 92 Tempered steel, nickel plated, 2½ inch taper, needle point . . . length of pick 4¼ inches over all 8¼ inches . . . rosewood cocobolo handle, weight per dozen 2½ pounds. . . . . per dozen, $1 50

One half dozen in a box

No. 93A Sliding Ice Pick, iron pick, ¾ inch taper point, length of pick 7 inches. Japanned hollow handle, weight per dozen 6 pounds. . . . . per dozen, $1 70

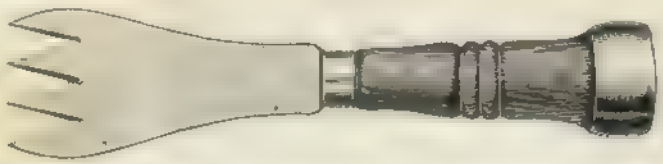
One half dozen in a box

Six in One Ice Pick

No. 87 Six in One Ice Pick (Illustration is one half actual size) weight per dozen 5½ pounds . . . . . per dozen, $3 00

The sharp, properly shaped, tempered steel point cracks ice on scientific principles to the desired shape and with at least waste. Simply pressing will do it. Six extra points are contained in the handle. When the point is dull put in another. They are packed one dozen in a box, one half of which makes a display card.

ICE CHISELS



No. 107 High grade, 5 inch polished steel blade, heavy tinned cap, entire length 10½ inches, weight per dozen 8½ pounds, per doz., $2 25

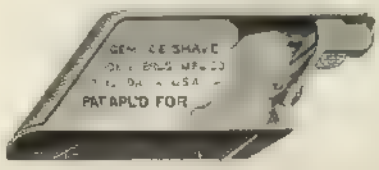
One half dozen in a box

ICE CHIPPER

No. 50 Needle point, malleable iron, tinned, length over all 9¼ inches, width of blade 2¾ inches, weight per dozen 4½ pounds, per dozen. $4 00

One dozen in a box

ICE SHAVES



Galvanized cast iron case. The knife is adjusted by a set screw to regulate the fineness of the ice shaved off.

Gem ice shave, weight per dozen 26 pounds, per dozen. $6 00

One dozen in a box

LIGHTNING MIXER

Pint size for general use, weight per dozen 18 pounds.
Per dozen ..

Quart size, for cake ... weight per dozen 32 pounds, per dozen. $8.00

TEA STRAINER

No. 2507 Tea Strainer, 1⅝ inches diameter, weight per dozen 8 ounces, per dozen ..... $

Dozen on a card

CORN POPPERS

PERFECTION

Long ... shank ... Half popped kernels can be ... the ... weight per dozen 16 pounds.
Per dozen ..... $.....

ROUND

Capacity one quart, wire braced tin lid, 20 inch red stained handle, weight per dozen 4½ pounds, per dozen $

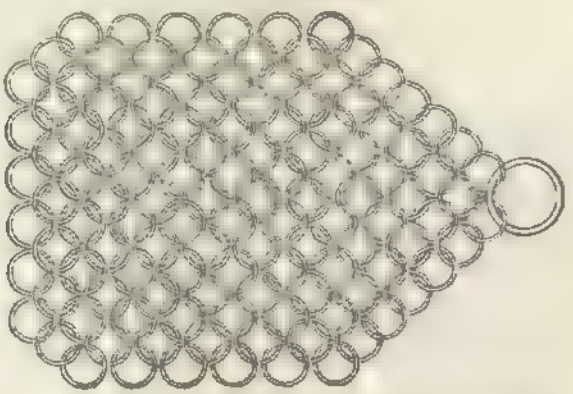
SQUARE

Numbers	6	7
Capacity, quarts	1	2
Weight per dozen, pounds	6	8
Per dozen	$	...

SINK STRAINERS

Galvanized corner sink strainer, weight per dozen about 5 pounds, per dozen $

POT CLEANERS



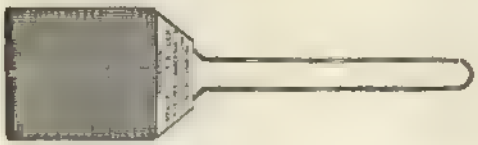
No. 1 ... sizes 3½ x 4½ inches, weight per dozen ... pounds, per dozen $

No. 2 ... size 5x6 inches, weight per dozen 2½ pounds, per dozen .....

One dozen in a package

FLY SWATTERS

PERFECT



W[illegible] wire handle, reinforced with tin plate weight per dozen 2 pounds, per dozen.....$....

JACKSON

Spe[illegible] all, w[illegible]n wire cloth flexible steel spring, red enameled handle, weight per dozen 2½ pounds, per dozen...$.

FLY TRAPS

BALLOON

PARAGON

Balloon fly trap, wire cloth body, tin bottom, edges, weight per dozen 2¼ pounds, per dozen.....$.....

Paragon fly trap, wire cloth body, [illegible] tin, weight per dozen 4½ pounds, per dozen

FLY PAPER

Tanglefoot, sanitary, non-poisonous, size of sheet 9x15⅝ inches, weight per case 26 pounds, per case.....$....

7 cents, five double sheets in a carton; ten cartons in a case

TRAPS

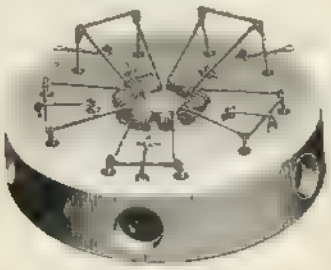
SURPRISE—RAT

[illegible] steel wire and [illegible] size 15x8[illegible]x10 inches, weight per dozen 18 pounds, per dozen.....$

CLIPPER—MOUSE

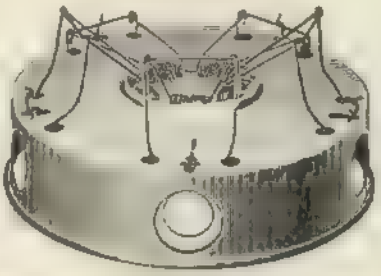
Copper steel wire and [illegible] same construction as Surprise rat trap, but smaller size, weight per dozen 5 pounds. Per dozen.....$

WOOD CHOKER



[illegible] steel wood base, copper steel springs, diameter 5¼ inches, height 1⅝ inches, weight per dozen 4 pounds, per dozen.....

TIN CHOKER



[illegible] seamless tin base, copper steel springs, diameter 4¾ inches, height 1⅝ inches, weight per dozen 2 pounds, per dozen.....$...

PLAYING CARDS

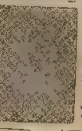
UNITED STATES

CONGRESS SITTING BULL BACK
An Art-style Series of Pictorial and Club Backs in Rich Colors. [illegible] Card [illegible] Superior Finish, Extra Quality
Per Dozen Packs
No. 600 $9 00

BICYCLE TRADE MARK BACK
[illegible] Highly Finished Standard [illegible] Per Dozen Packs
No. 808 $4 20
One Dozen Packs in a Box. Weight per Dozen 2½ lbs.

BICYCLE—ACE
Premium Quality Cards [illegible] Per Dozen Packs
No. 18 $4 80
One Dozen Packs in a Box. Weight per Dozen 2 lbs.

TOURISTE DAISY BACK
Assorted Flags. Pro[illegible] Per Dozen Packs
No. 555 $3 30
One Dozen Packs in a Box. Weight per Dozen 2½ lbs.



STEAMBOAT RACE BACK
The Best Cheap Card Made. Round Corners. Assorted Two Color [illegible] Per Dozen
No. 888 $2 70
One Dozen Packs in a Box. Weight per Dozen 2½ lbs.

LITTLE DUKE—ACE
Small Size 2¼x3½ inches; Engraved, Artistic Pattern. Childrens Toy Cards and for Parlor Players. Assorted Backs in Red and Blue.
Per Dozen
No. 28 $1 70
One Dozen Packs in a Box; Weight per Dozen 11 ozs.

POKER CHIPS

NOTE.—All of our Poker Chips are Packed 200 in a Cardboard Box, Assorted; 50 White, 25 Red, 25 Blue

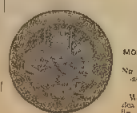
UNBREAKABLE
Extra Heavy Paper Composition. 100 Square Edges. Secrecy Superior. Stack Evenly
Per 1 000
No. D—1¾ inches $19 00
Weight per Box of 1000 [illegible] lbs.

PLAIN
Superior Quality Composition. Round Edges. Stack Evenly. Extra Heavy
Per 1000
No. P—1¾ inches $9 00
Weight per Box of 1000 15½ lbs.

EMBOSSED
Fine Quality Composition; Round Edges. Pleasingly Noticeable, Raised Panel Border, Stack Evenly

MASCOT
Per 1000
No. EM—1¾ inches $14 00
Weight per Box of 1000 15½ lbs.

DRAGON
Per 1000
No. ED—1¾ inches $13 00
Weight per Box of 1000 15½ lbs.

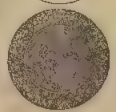


STOP MONKEYING
Per 1000
No. EXM—1¾ inches $11 00
Weight per Box of 1000 15½ lbs.

ENGRAVED

GAP AND WHIP
Per 1000
No. RCW—1¾ inches $17 00
Weight per Box of 1000 15½ lbs.

HORSE SHOE
Per 1000
No. EHS—1¾ inches $17 00
Weight per Box of 1000 15½ lbs.



OWL AND CRESCENT
Per 1000
No. EOC—1¾ inches $17 00
Weight per Box of 1000 15½ lbs.

PARANO D
Finest Quality Poker Chip Made. Round Edges, Very Quiet, Guaranteed to Stack Evenly, Practically Indestructible

CARD ENGRAVED
Per 1000
No. PEC—1¾ inches $30 00
Weight per Box of 1000 15½ lbs.

DOUBLE STAR ENGRAVED
Per 1000
No. PDS—1¾ inches $30 00
Weight per Box of 1000 15½ lbs.

FLEUR DE LIS INLAID
Per 1000
No. PFL—1¾ inches $30 00
Weight per Box of 1000 15½ lbs.

DICE

POKER
(Five in a Set)

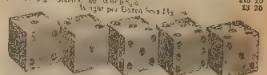
CELLULOID—CREAM COLOR
No. CPD ¾ inch. Weight per Dozen Sets 1 lb. Per Dozen Sets $10 80

VEGETABLE IVORY, CREAM COLOR
No. VPD—¾ inch. Weight per Dozen Sets 1 lb. Per Dozen Sets $9 00

TRANSPARENT CELLULOID, 5-16 INCH SQUARE CORNERS
(Five in a Set)
No. TCMA—Magenta Color, White Spots.
No. TCGA—Green Color, White Spots.
Weight per Dozen Sets 1 lb. Per Dozen Sets $10 80

TRANSPARENT CELLULOID 5-8 INCH ROUND CORNERS
Five in a Set
No. TC[illegible]—Magenta Color, White Spots.
No. TC[illegible]—Green Color, White Spots.
Weight per Dozen Sets 1½ lbs. Per Dozen Sets $10 80 $3 20

OPAQUE CELLULOID—ROUND CORNERS
(Five in a Set)
No. CDR—½ inch, Cream Color, Black Spots. Per Dozen Sets $6 00
No. CDR—¾ inch, Cream Color, Black Spots. Per Dozen Sets $9 00
Weight per Dozen Sets ½ lb.



OPAQUE CELLULOID SQUARE CORNERS
Five in a Set
No. CDS—½ inch Cream Color, Black Spots. Per Dozen Sets $6 00
No. CDS—¾ inch Cream Color, Black Spots. $9 00
Weight per Dozen Sets ½ lbs.
One Set in a Box. One Dozen Sets in a Carton

ZYLONITE ROUND CORNERS
No. ZDR—½ inch, White Color, Black Spots. Weight per Gross 1½ lbs. Per Gross $8 00
No. ZDR—¾ inch, White Color, Black Spots. Weight per Gross 3 lbs. $10 00
One Dozen in a box. Five Dozen in a Carton

OPAQUE CELLULOID BLANKS
Round Corners, Cream Color
(Five in a Set)
No. CBA—½ inch, Weight per Dozen Sets ½ lb. Per Dozen Sets $3 00
No. CBA—¾ inch, Weight per Dozen Sets ¾ lb. $4 00
No. CBS—¾ inch, Weight per Dozen Sets 1 lb. $6 00
One Set in a Box. One Dozen Sets in a Carton

DICE CUPS

DIAMOND BRAND
Best Quality Heavy Russet Sole Leather, double Stitched with Waxed Linen Thread

Nos.	DC1	DC2	DC3
Sizes, Inches	1¾x3¼	2¼x4	2¾x5
Weight per Dozen, Lbs	2½	4½	7½
Per Dozen	$5 00	$7 00	$9 00
Loose			

"DIAMOND EDGE IS A QUALITY PLEDGE"

Lord Elgin Complete Watches

Cased and Timed at Factory and Sold Complete

The "Lord Elgin" is the thinnest watch made in America with a white enamel dial. It is furnished also with metal dials, plain or engraved, gilt or silver. No extra charge.

No. 1 **25 Year Filled Case,** Open Face Style, fitted with 15 jewel, Lord Elgin movement, complete ..... $ 50 40

No. 2. **25 Year Filled Case,** Open Face Style, fitted with 17 jewel, Lord Elgin movement, complete 59.25

No. 3. **25 Year Filled Case,** Open Face Style, fitted with 17 jewel, adjusted, Lord Elgin movement, complete..... 7[illegible]

No. 4. **14k Solid Gold Case,** Single Cap Open Face Style, fitted with 15 jewel, Lord Elgin movement, complete..... 71.10

No. 5. **14k Solid Gold Case,** Single Cap Open Face Style, fitted with 17 jewe. Lord Elgin movement, complete..... 80.00

No. 6. **14k Solid Gold Case,** Single Cap Open Face Style, fitted with 17 jewel, adjusted. Lord Elgin movement, complete..... 91 85

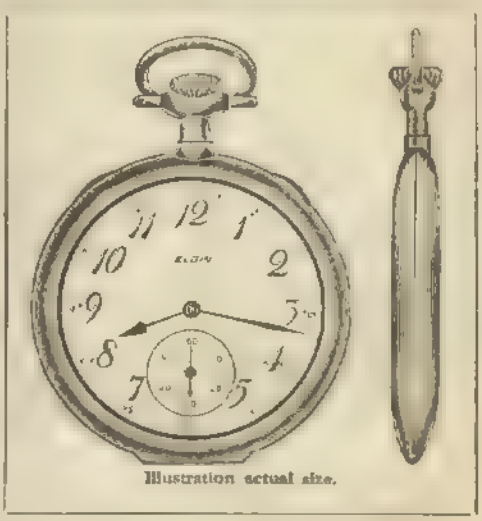


Illustration actual size.

No. 7 **14k Solid Gold Case,** Jointed Open Face Style, fitted with 15 jewel, Lord Elgin movement, complete..... 90.35

No. 8. **14k Solid Gold Case,** Jointed Open Face Style, fitted with 17 jewel, Lord Elgin movement, complete..... 102.25

No. 9. **14k Solid Gold Case,** Jointed Open Face Style, fitted with 17 jewel, adjusted, Lord Elgin movement, complete..... 111.10

No. 10. **18k Solid Gold Case,** Jointed Open Face Style, fitted with 17 jewel, Lord Elgin movement, complete..... 128.90

No. 11. **18k Solid Gold Case,** Jointed Open Face Style, fitted with 17 jewel, adjusted, Lord Elgin movement, complete..... 140.75

Below We Quote Full and Complete Description of Lord Elgin Movements as Fitted in Above Cases

Lord Elgin Series

Cased at factory and sold complete

Open Face Style, Nickel, 15 Jewel—Pendant winding and setting; 15 jewels (settings); ruby balance jewels; exposed pallet stones; cut expansion balance; Breguet hairspring, with micrometric regulator; exposed winding wheels; patent recoiling click and self-locking and setting device; sunk-second dial; plates damaskeened.

Open Face Style, Nickel, 17 Jewel—Pendant winding and setting; 17 jewels (settings); ruby and sapphire balance and center jewels; exposed pallet stones; cut expansion balance; Breguet hairspring, with micrometric regulator; exposed winding wheels, patent recoiling click and self-locking setting device; sunk-second dial, plates damaskeened.

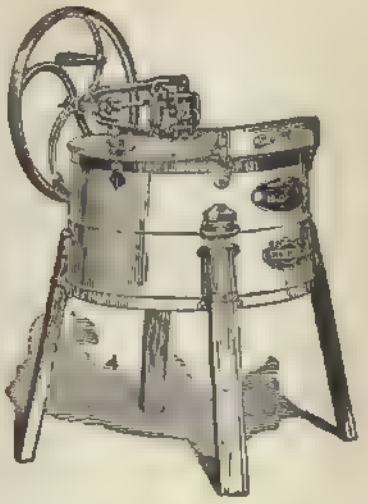
Open Face Style, Nickel, 17 Jewel—Adjusted. Pendant winding and setting; 17 jewels (settings); ruby and sapphire balance and center jewels; exposed pallet stones; compensating balance; Breguet hairspring, with micrometric regulator, adjusted to temperature, exposed winding wheels; patent recoiling click and self-locking setting device; sunk-second dial, plates damaskeened.

Lord Elgin Watches are cased at the factory and timed in the cases. 14 size made in four grades of cases.

The Lord Elgin is the thinnest watch made in America with a white enamel dial. It is furnished also with metal dials, plain or engraved, gilt or silver. No extra charge.

WASHING MACHINES

MAJESTIC ROTARY



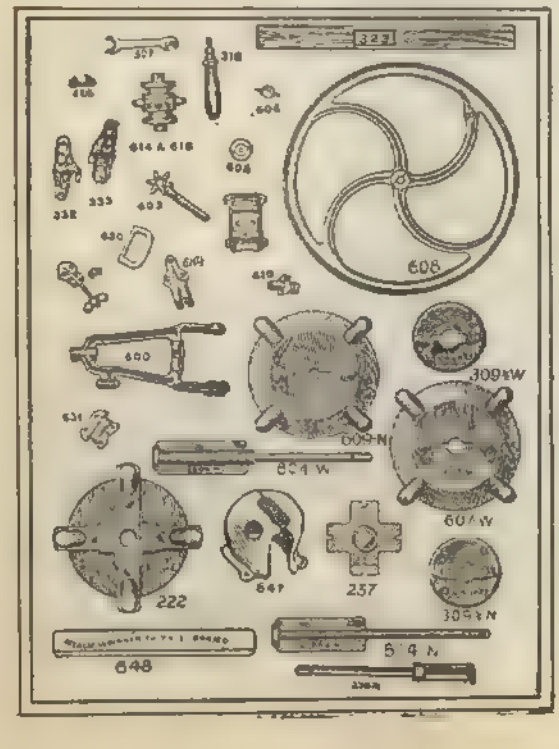
Each

Majestic—Best Virginia White Cedar Tub, Corrugated Sides and Bottom, Strong Solid Legs Fit Into Iron Sockets, Electric Welded Wire Hoops, High Grade Steel Roller Bearings, all Varnished Natural Finish, Aluminum Finished Gearing and Fly Wheel, Malleable Iron Drop Handles .... $ ...

This is the highest type of Rotary Washer. All materials used in their manufacture are of the best procurable Has a large lid allowing entire top to be opened up, making plenty of room for operator to put in and take out clothes

Weight Each Crated 80 Pounds.

EXTRA PARTS FOR MAJECTIC ROTARY WASHING MACHINES



		Each
No. 114	—Spout	$0 12
No. 307	—Wrench	20
No. 316	—Handle and Bolt	25
No. 323	—Wood Leg	.20
No. 332	—Right Lug	48
No. 333	—Left Lug	.48
No. 614–615	—Hub	1 25
No. 603	—Pinion (with Shaft)	50
No. 605	—Dolly Guard (with Screw)	.20
No. 606	—Thumb Nut	12
No. 608	—Fly Wheel	2 50
No. 609	—Leg Socket	48
No. 610	—Universal Joint	.50
No. 610½	—Lift	20
No. 611	—Catch	30
No. 630	—Handle	15
No. 631	—Clip	15
No. 600	—Frame	1 25
No. 607W	—Six Peg Dolly, Wide Slot	80
No. 309½W	—Plate, Wide Slot	30
No. 604W	—Dolly Post, Wide	50
No. 607N	—Six Peg Dolly, Narrow Slot	80
No. 309½N	—Plate, Narrow Slot	30
No. 604N	—Dolly Post, Narrow	50
No. 222	—Four Peg Dolly, X Style	1.00
No. 257	—Dolly Plate, X Style	.40
No. 230½	—Dolly Post, X Style	.50
No. 647	—Stamped Steel Gear Cap	.40
No. 648	—Wood Wringer Board	.20

LAMPS

MAMMOTH JUPITER STORE LAMPS

Mammoth Jupiter
With Tin Shade

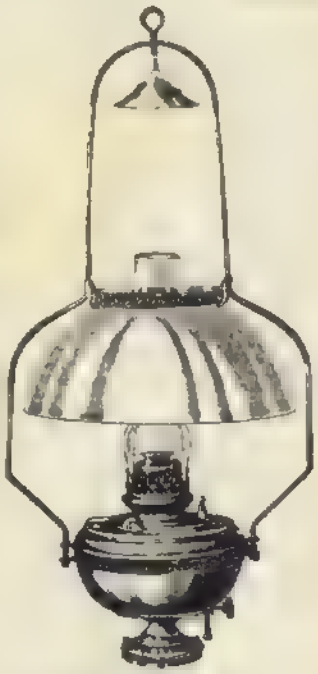
No. 20 Mammoth Jupiter Brass Lamp, complete with 20 inch corrugated tin shade, No. 3 Jupiter chimney and wick, each **$6.50**

No. 25 Mammoth Jupiter Brass Lamp, complete with 14 inch plain opal dome shade, ring, No. 3 Jupiter chimney and wick, each **7.00**

No. 30 Mammoth Jupiter Brass Lamp, same as No. 25 but nickel plated, each **7.50**

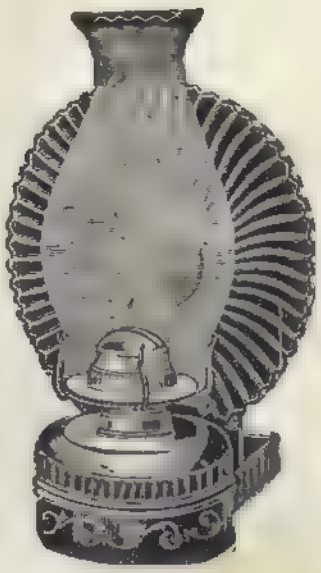
Extra Dome Shades, 14 inches, per dozen **9.60**

Lamps are packed complete, one in a case, weight of one dozen lamps with tin shade 140 pounds, with 14 inch opal dome shades 180 pounds.



Mammoth Jupiter
With Plain Dome Shade

KITCHEN WALL LAMPS



Eureka

Virginia

Bracket Lamp

	Per Dozen
No. 2 Eureka, lacquered tin Kitchen Lamp, complete with No. 2 Sun burner, chimney and wick, one dozen in a case, weight [illegible]	$ 5.30
No. 2 Eureka Kitchen Lamps, one half dozen in a case, weight 20 pounds	5.30
Virginia Wall Lamps, without chimney and burner, 6 dozen in a case, weight 65 pounds.	2.20
No. 042 [illegible]cket Lamp, extends 11 inches, complete with burner, chimney and 7 inch silvered reflector, packed half dozen in [illegible]	12 00
No. 053½ Bracket Lamp, extends 12 inches, complete with burner, chimney and 10 inch silvered reflector, packed half dozen [illegible]	18 00

AIR-O-LITE LAMPS

The Air-O-Lite burns gasoline safer than any oil lamp made burns kerosene. Explosion is impossible. No danger if lamp is dropped or overturned. It greatly lessens danger of fire.

HYDRO CARBON GASOLINE

Handy, durable, beautiful, easy on the eyes, and requires little care. Gives a strong, powerful, white light, 300 candlepower, at a cost of 25 cents a month. Explosion is impossible.

Produces five times the light of a big center draft oil lamp at one third the cost.

This lamp may be suspended from ceiling for lighting stores and offices, an extra wire and ring for this purpose is furnished with each lamp

The Air-O-Lite burner is practically indestructible. Pure nickel which never burns out is used in burner caps. It soon saves its price in cost of operation. The Air-O-Lite is a clean lamp—no smoke—no smell—no dirty chimney—no greasy wicks to trim.

Lamp needs cleaning only once a year to produce a perfect light and is easily filled.

By air pressure the gasoline feeds from the bottom of fount up through the lamp standard and when the gasoline reaches the heated portion between the two burners it is changed into vapor. The gas tip is the cap on the upper end of the lamp stem or generator tube. The vapor feeds through a small orifice in this tip. The end of the tube inside the gas tip is screened in a way which prevents the orifice from stopping up. A round asbestos wick is placed in the upper end of generator tube. It is used only to absorb the impurities of the gasoline, and needs changing about once a year.

An extra wick and screen are furnished with each lamp, which are the only repairs that will be needed. The mantles are small and cheap and will last much longer than the ordinary gas mantles everywhere in use. Four mantles with each lamp.

Height over all 23 inches, diameter of fount at base 7 inches, standard 10 inch opal shade.

No. 40 Air-o-lite. Weight each 8 pounds, each.....**$10.00**

One in a carton

No. 40M Extra mantles, per dozen.....**$1.50**

One dozen in an envelope

KER-O-LITE LAMPS

No. 50 Ker-o-lite. It's the Air-o-lite built to burn kerosene. Gives 300 candlepower. Operates same as the Air-o-lite and has the same high quality of material. Weight each 8 pounds. . . . . each, **$10.00**

One in a carton

GASOLINE TORCHES

Adapted for use in factories, foundries, machine shops, rolling mills, blacksmith shops, warehouses, markets, etc. Reservoir holds one gallon. Height over all about 30 inches.

Weight per dozen about 55 pounds.....per dozen, **$30.00**

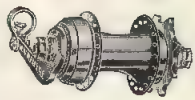
"MARATHON" 1915 MODEL BICYCLE

STANDARD EQUIPMENT—COMPARE!

"Shelby" Seamless Tubing.
"New Departure" Hubs.
One Piece Forged Crank Hanger.
Guaranteed High Grade Tires.
Standard No. 6 Nickeled Spokes.
Ball Bearing Working Parts.
Fully Equipped Leather Tool Bag.
Three Coats of Enamel on Frame.

A New Model in this famous bicycle, for years the leader among popular priced wheels. **Standard equipment** raises this wheel way above the average low priced machine. Insist on standard equipment.

Absolutely Guaranteed



"New Departure" Coaster Brake
Furnished on all our bicycles wherever coaster brake is specified

SPECIFICATIONS

FRAME—20, 22 and 24 in. made of 1 in. 20 gauge seamless Shelby tubing, flush joints, 1 coat of anti rust.

FINISH—3 coats baked, Black enamel, red head, gold edgings.

WHEELS & RIMS—Standard 28 in., 32 spoke front, 36 rear wood "Ionia" rims, white, to match frame.

TIRES—New "Congo" pebble tread tires, single tube, 2 ply fabric, 2" standard, injected with tire fluid, practically puncture proof.

FORKS—Tapered sides, nickeled crown, standard.

GEAR—Standard 81, 22 tooth front, 9 tooth diamond rear sprocket with 1 in. pitch.

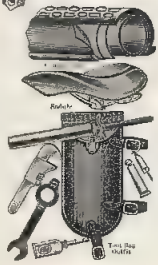
SADDLE—Full leather blocked, coil spring cushion saddle.

HANDLE BARS—Chesapeake, nickel plated, 30 in. extension, pearl celluloid covered grips with forearms.

PEDALS—"Marathon" rat trap, nickel plated, ball bearing.

RIMS—"New Departure" front and rear, drilled from solid bar.

CHAIN—"Diamond" block chain, ½ x ⅛.



SPECIFICATIONS

TOOL BAG—All leather, with hand pump, wrench, oiler and kit.

CONES—Lathe turned, full polished.

NUTS—All axle, adjusting and spoke nuts are nickeled.

PRICES

K1400—Men's 20 in. without brake.
K1401—Men's 22 in. without brake.
K1402—Men's 24 in. without brake.
Each, **$15.00**

K1403—20 in. with "New Departure" coaster brake.
K1404—22 in. with "New Departure" coaster brake.
K1405—24 in. with "New Departure" coaster brake.
Each **$18.25**

"CLIPPER JUNIOR" BICYCLE

Duplicates of the "Marathon" bicycles described above. All the refinements of any full size wheel. Built to stand the hard knocks that "Junior" bicycles receive. Strong, safe and handsome. Gear 82, 20 tooth front sprocket, 9 tooth rear, ½ x ⅛ in. chain. Complete with tool bar, pump and repair outfit.

Absolutely Guaranteed

SPECIFICATIONS

Same as "Marathon." See description above.

NOTE: For the boy or youth tall enough to ride a 20 in. frame bicycle, we recommend K1414 and K1417 "Olympic" and K1425 and K1427 "Regal Roadster" bicycles. While standard tall size men's model, it also meets the demand of the tall youths.

PRICES, BOYS' JUNIOR

K1406—16 in. frame, 2" wheel, 24 x 1¾ "Congo" pebble tread guaranteed single tube tire. Each, **$14.50**

K1407—18 in. frame, 20 in. wheels, 20 x 1¾ "Congo" pebble tread guaranteed single tube tire. Each **$14.50**

K1408—16 in. with "New Departure" coaster brake. Each, **$17.75**

K1409—18 in. with "New Departure" coaster brake. Each **$17.75**

PRICES, GIRLS' JUNIOR

K1410—18 in. drop frame 2" in. wheels Sterling Congo pebble tread guaranteed single tube tire, rear wheel with mud and skirt guard. Each, **$14.90**

K1412—16 in. drop frame with New Departure coaster brake and mud and skirt guard. Each, **$18.15**

K1418—18 in. drop frame with "New Departure" coaster brake and mud and skirt guards. Each, **$18.15**

"OLYMPIA" 1915 MODEL BICYCLE

A wheel of high tone and refinement, perfectly balanced and even running beautifully finished. Master workmanship—plus PRICE!

Compare this splendid wheel with the best others offer for the money!

Made in 20, 22 and 24 in. frame for MEN, 20 and 22 in. for WOMEN. Frame of Shelby 1 in. seamless tubing, flush joints, reinforced at connections.

SPECIFICATIONS

FINISH—Men's with [illegible] striped red band enamel, black rims, white lettered and coach striped; Women's [illegible] Red and black wheels, white lettered and striped to match color of enamel.

MUDGUARDS—Corrugated to match color of enamel.

STANDARD FORK CROWN—Pressed steel, nickel plated.

WHEELS—Standard 28 in. heavy [illegible] rims, 32 front and 36 rear, double wire spokes.

TIRES—Regular clincher, 2 inch [illegible] quality grade.

CRANK HANGER—1 piece drop forged, diamond pattern 7 in.

STROKE—30 mm. [illegible]

K1414—Men's [illegible] K1415—Men's [illegible] K1416—Men's [illegible] $17.90 Each

GEAR—Standard 81

SADDLE—"Persona" double coil spring, black [illegible]

HANDLEBARS—Low [illegible] rubber grips, 22 in. [illegible]

PEDALS—[illegible]

HUB—New [illegible]

K1417—Women's [illegible] K1418—Women's [illegible] K1419—Women's [illegible] $21.15 Each

CHAIN—1 Diamond ½x1 in. pitch

CONES—Ball bearing, nickel plated

NUTS—Nickel plated

TOOL BAG—A [illegible] leather cowhide bag [illegible] with wrench, oil can and repair outfit

PUMP—Telescope frame, [illegible]

"WOMEN'S OLYMPIA"—For [illegible] Ladies' [illegible] and same [illegible] other [illegible] as Men's

K1420—Women's [illegible] K1421—Women's [illegible] Each $21.15

"ROYAL ROADSTER" BICYCLE

1915 MODEL

EXTRA SERVICE

Improved in design, equipment and finish. Has every good feature of the famous "Royal Roadster" of former seasons, together with many new refinements in materials and workmanships.

No other wheel offered for the money has so many high class distinctive features. Fitted with the finest of tires and equipment. Built to the highest standard of service after years of study and experiment.

SPECIFICATIONS

FRAME—20, 22 and 24 in. fluted 1 in. 20 gauge Shelby seamless tube, specially reinforced at connections

FINISH—Frame in [illegible] enamel with [illegible] striped and [illegible] gold edging. *No other wheel on the market offers like equipment at the money.*

MUDGUARDS—Enameled to match [illegible] with [illegible]

K1422—Men's [illegible] K1423—Men's [illegible] K1424—Men's [illegible] Each $20.50

WHEELS—Standard 28 in. heavy quality tangential spokes, 32 front and 36 rear, each having an ultimate strength of 950 lbs.

TIRES—"Paragon" Dull Tire Grip, extra heavy tread, 2 inch [illegible] type 28x1½ in.

FORK—[illegible]

CRANK HANGER—1 piece, drop forged, diamond pattern 7 in.

SPROCKET—20 tooth front, 9 tooth rear.

GEAR—Standard 81

SADDLE—Persona "Olympia" double coil spring [illegible] saddle

HANDLEBARS—Rolley "Elite", new type [illegible] handle bar with Messinger's [illegible] leather grips

PEDALS—Improved Rogers ball bearing [illegible] rat trap non-slip

K1427—Men's 20 in., with "New Departure" Coaster Brake. K1428—Men's 22 in. " " " " " " K1429—Men's 24 in. " " " " " " Each $23.75

HUBS—Solid bar "New Departure" front and rear hubs

CHAINS—English steel roller chain ½x1 in. pitch, case hardened running and [illegible] noiseless

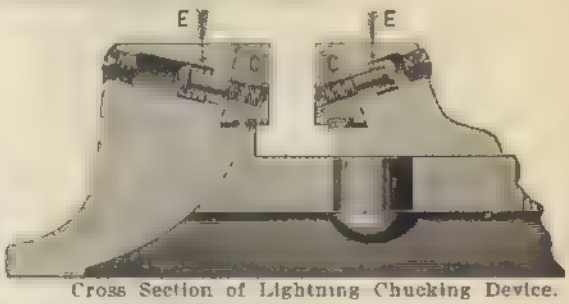
TOOL BAG—Messinger's leather, oval, tool bag with wrench, oiler and repair kit

PUMP—Telescope frame pump with clips

BELL—2½ in. "New Departure"

VISES

MASSEY PLANER, MILLING MACHINE, SHAPER AND DRILL PRESS



Cross Section of Lightning Chucking Device.

Equipped with Lightning Chucking Device.

The Lightning Chucking Device chucks all work automatically and instantly. When a piece of work either straight or taper is chucked beveled steel jaws are forced down and carry the work with them onto the bed of the vise Hence hammering squaring or setting is unnecessary A piece of work can be chucked and made ready for the tool to operate within thirty seconds

The front jaw is adjustable to all shapes of work

For drill press work the long slot in the center of the vise is open, thus giving the drill a free range.

This vise is particularly serviceable on a moving table for surface grinding.

Nos.	41	42	43	44	46	47	48
Width of Jaws, Inches	4	4	5	5	3	3	3
Depth of Jaws, Inches	1¼	2	1½	3	2	3	2
Jaws Open, Inches	9¼	9¼	11¾	11	9½	11½	13½
Weight Each, Lbs	38	43	65	80	150	165	176
Each	$15.00	17.00	20.00	25.00	45.00	47.00	49.00

ANVILS

PETER WRIGHT'S BLACKSMITHS'

Per Pound

80 to 350 Lbs.....Base, ¶.....

These Anvils are warranted and are made by Peter Wright & Sons, Stowbridge, England

HAY-BUDDEN BLACKSMITHS'

Per Pound

90 to 250 Lbs.....Base, ¶.....

Every genuine "Hay-Budden" Anvil is made of the best American wrought iron and faced with best crucible cast steel.

Every genuine "Hay-Budden" Anvil is made by the latest improved methods. Top and bottom are each one solid piece and welded at the waist

The steel faces to these anvils are all put on in one solid piece; not in two or more pieces, as is customary with most anvils.

APPROXIMATE DIMENSIONS OF GENERAL BLACKSMITHS' ANVILS

Weight Lbs	Face Inches	Horn Inches	Hardie Hole	Pritchel Hole	Weight, Lbs	Face, Inches	Horn Inches	Hardie Hole	Pritchel Hole
10	2 x 6	3½	½	⅜	175	4¼ x17	11	1	
20	2¼ x 7	4	⅝	⅜	200	4½ x18	11½	1⅛	⅝
30	2½ x 8	5	⅝	⅜	250	4¾ x20	12½	1½	⅞
40	2¾ x 9	6	¾	½	300	5 x21	13	1¼	⅞
50	3 x 9½	6½	¾	½	350	5½ x22	13½	1¼	⅞
60	3¼ x10	7	¾	½	400	6 x23	14½	1⅜	1
70	3⅜ x11	7½	¾	½	450	6½ x24	15½	1⅜	1
80	3½ x12	8½	¾	½	500	6¾ x25	16	1½	1
100	3⅝ x13½	9	¾	½	600	7 x26	17	1½	1
125	3¾ x15	10	⅞	⅝	700	7½ x27	18	1¾	⅞
150	4 x16½	10½	⅞	⅝	800	8 x28	19	1¾	⅞

Hardie Hole Sizes on all lists indicate size of tool that Hardie Hole will take.

FILE HANDLES

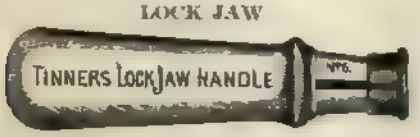
COMMON

Softwood Seamless Steel Ferrule.

	Per Gross
No. 630—Assorted, Medium Sizes	$3 00
No. 631—Assorted, Large Sizes	3 50

Open Stock.

LOCK JAW



Hardwood, Coppered Malleable Iron Ferrule.

Nos.	1	2	3
For Files, Inches	13 & Larger	9 to 12	7 to 10
Per Gross	$6.00	5.50	5.25
Nos.	4	4½	5
For Files, Inches	5 to 8	4 to 7	2 to 5
Per Gross	$5 00	4.75	4 50

Will hold firmly and rigidly any make of files or any tanged tool, whether the tang is flat, round or square.

One-quarter Gross in a Box

PAPER "ELASTIC-GRIP"

Solid Paper, Steel Ferrule.

Length, Inches	3	4	4¾	5	5¾
Per Gross	$2.45	2 85	4.35	5.45	7 50

One-quarter Gross in a Box.

"BEST"

Hardwood Handle, Pressed Steel Ferrule.

The ferrule has a circular groove fitting a corresponding one in the wood handle. Locked in this manner, the ferrule and handle cannot be separated. The long ferrule, snugly fitting the handle, absolutely prevents the handle from splitting. At the end of the handle the ferrule forms a cap perforated with a slot, for its protection. This cap is pliable and designed to automatically fit the tang that is driven into it.

Nos.	1	2	3
For Files, Inches	4 to 5	6 to 8	10 to 12
Wt. Per Dozen, Lbs.	1	1¾	2
Per Gross	$9.00	11.00	12.00
Nos.		4	5
For Files, Inches		14 to 16	18 to 20
Wt. Per Dozen, Lbs.		2½	3
Per Gross		$13.50	15.00

Three Dozen in a Box.

SCREW DRIVER HANDLES

Beechwood, Drilled and Slotted, Brass Cap Ferrule.

Length, Inches	4	5	6	8	10
Per Dozen	$0 40	.50	.60	.80	1.00

Open Stock.

AUGER HANDLES

COMMON

Per Dozen

No. 660—Hickory, Polished, Not Bored, Assorted Lengths, Average Weight Per Dozen 5½ Lbs. . $0.60

One Dozen in a Bundle

PECK'S PATENT

Per Dozen

No. 60—18 in. Long, Polished Maple, Iron Bound, Adjustable to All Sizes of Augers, Weight Per Dozen 13 Lbs. $4.00

One-half Dozen in a Box.

MILLERS FALLS

Stout Wood Handle, Two Heavy Steel Clamps, Adjustable to All Sizes and Shapes of Auger Shanks.

Per Dozen

No. 1—14 in. Long, Weight Per Dozen 16 Lbs. . . $8.00

No. 2—17 in. Long, Weight Per Dozen 18 Lbs. . . 8.50

One-half Dozen in a Box

MILLERS FALLS

Per Dozen

No. 3—16 in. Long, Ash Handles, Malleable Casting, a Light and Strong Handle with a Single Set Screw for Convenience, Holds all Ordinary Bit and Auger Sizes, Weight Per Dozen 17 Lbs. $10.50

One-quarter Dozen in a Box

MILLERS FALLS RATCHET

Per Dozen

No. 4—15 in. Long, Nickel Plated Metal Parts, Ash-wood Handles, One Handle Detachable, Ratchet Works Either to Right or Left or May be Locked, May be Used as a Ratchet Drill. . $35.00

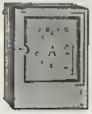
Weight Per Dozen 36 Pounds.

One-twelfth Dozen in a Box.

BLACK STEEL OVENS.

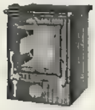
H2551— [illegible] 11¼ x 11¾ x 11¾, single, 2 heavy shelves. 2 in crate. 23 lbs. ......Each, 67c

H2552— "Model." 14 x 13¾ x 13¾, single, 2 removable shelves [illegible] and sides double lined. 1 in crate. 18 lbs. ....Each, 98c



H2570—Upright. 18¾x13x18, single, swing door and sides double lined. 2 removable shelves. 1 in crate, 13 lbs. ......Each, $1.10

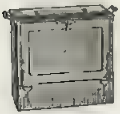
H2572—Glass Door. 10½x16¾x11¾, double, patent hinge and door support, double top. 1 in crate. Each, $1.65



"Griswold"— Black japanned sheet steel, fire tempered glass doors with [illegible] abstated joint door frame, asbestos lined throughout, full tin lining, wood handles, steel nickel plated hinges and catch, perfect ventilation.

H2554 — Single. Ht. 18¾, width 14, depth 13¾. Crated, 20 lbs. Each $2.15

H2555—Double. Ht 18¾, width 20, depth 13¾. Crated, 25 lbs. Each $2.50

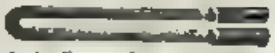


H2569—Drop Door 20½ x 13 x 19, double, 2 steel racks, nickeled hinges, black enamel wood handles, asbestos and heavy [illegible] lined. 1 in crate [illegible] lbs. Each, $2.50

LAUNDRY STOVE.

H2314—"Castor." 22x14¾ top, 23 in. high, 21 in. firepot, two 8 in. covers, 6 in. pipe collar, extra heavy, swing ash pit door, draft regulator, dump grate and shaker. 1 in crate 80 lbs. ...... Each, $3.85

HIGH GRADE GAS TUBING.



Mohair Covered — [illegible] gas tight, patent ends [illegible] pieces in pkg.

		Doz. pcs.
H2[illegible]—3 ft. lengths		$0 [illegible]
H2[illegible] 4 "	"	[illegible]
H2[illegible] 5 "	"	1 20
H2[illegible] 6 "	"	1 44
H2[illegible] 8 "	"	1 92
H2[illegible] 10 "	"	2 40

Double Coated—Patent rubber ends, bright ferrule, guaranteed gas tight. ½ doz. pieces in pkg. Doz. pcs.

H2[illegible] 3 ft. lengths		$ [illegible]
H2[illegible] 4 "	"	1 44
H2[illegible] 5 "	"	1 [illegible]
H2[illegible] 6 "	"	[illegible]
H2[illegible] 8 "	"	[illegible]
H2[illegible] 10 "	"	[illegible]

Flexible Steel [illegible] ber ends. ½ doz. pieces in pkg.

H2[illegible] 4 ft. lgths. Doz. pcs. $1 98

H2[illegible] 6 ft. lgths. Doz. pcs. $2 95

H2[illegible] 8 ft. lgths. Doz. pcs. $3.95

LIGHTING RINGS.

H2531 — Asbestos, reinforced with perforated metal. Fits H2453, H2454, H2173 [illegible] ... Doz. 30c

H2530— [illegible] wide, 3¾ in. diam., asbestos, reinforced with perforated metal. Fits H2446, H2447, H2448 oil stoves. 1 doz. in pkg. Doz. 39c

H2537 "Ideal" [illegible] reinforced [illegible] pkg. Doz. 52c

OIL STOVE WICKS.

High grade. Guaranteed first quality.

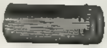
H2532—4x8, flat, 1 doz. in pkg. Doz. 22c

H2533 [illegible] circular. Fits H2[illegible] [illegible] 1 doz. in pkg. Doz. 69c

H2534 [illegible] ... 80c

H2536—Fits H2472 blue flame oil cook stove. ½ doz. in pkg. Doz. $1.80

NESTED STOVE PIPE.



Patent Nested—30 gauge cold rolled steel, lacquered. 24 in. lengths, clamps together, no rivets. 25 joints in crate.

H2541 5 in.	37 lbs.	Joint,	$0 06¼
H254[illegible] 5½	40 "	"	06¼
H2543 6	40 "	"	07

Patent Lock [illegible] 2 inside locking [illegible] perfect seam, no rivets. 25 joints in crate.

H2546—5 in.	39 lbs.	Joint,	$0 06¼
H2547 5½ "	43 "	"	06¾
H2548—6 "	47 "	"	07¼

STOVE PIPE ELBOWS.

Jointed — Charcoal iron 4 piece, 1 doz. in crate.

H2[illegible] 5 in.	11 lbs.	Doz.	$0 6[illegible]
H2[illegible] 5½ "	14 "	"	[illegible]
H2[illegible] 6 "	15 "	"	72

One Piece Corrugated—28 gauge planished steel, lacquered, 10 seam throat. 1 doz. in crate.

H2[illegible] 5 in.	11 lbs.	Doz.	$0 7[illegible]
H2[illegible] 5½ "	14 "	"	78
H2578—6 "	15 "	"	82

WIRE FOR STOVE PIPES, ETC.

H2631—20 gauge, 50 ft. coil, soft coppered finish [illegible] DOZ. COILS, 31c

H2633 20 gauge [illegible] soft copper wire, in envelope. 1 doz. envelopes in box. Doz. envelopes $1 35

MONTANA MICA.

H2518—First [illegible] each 2x3, 2¼x3, 2½x4 and [illegible] 1 lb. in box. ...... BOX 1 lb. $4.00

H2519 Large sizes [illegible] lb. each 2¾x6, 4x4 [illegible] ¼ lb. in box. BOX ¼ lb. $1.00

LAMP STOVES.

"Service" 4 in. burner, cast reservoir, black japanned base and top, mica windows, with wick. ½ doz. in case, 26 lbs.

H2453—1 burner. Doz. $4.35

H2454 [illegible] burners. Doz. $8.75

"CAPITOL" [illegible] burners, 10¼ [illegible] big seamless sheet steel reservoir [illegible] mica windows [illegible] black japanned. [illegible] 1 in crate.

H2438—Single, 2 burners, 7 lbs. Each, 56c

H2439 Double, 4 burners, 13 lbs. Each, $1.25

MANNING-BOWMAN ALCOHOL GAS STOVE.

H2734—8 in. high, 6¼ in. iron top, black japanned steel 1 pt. nickel plated brass tank, powerful burner. 1 in box. ...... Each, $1.75

GASOLINE WALL TORCH.

H2619—Length 3 ft., 1 gal. japanned tank, tight faucet, single burner. 1 in crate, 6 lbs...... Each, $1.25

ASBESTOS STOVE LINING.

H2640 Wears [illegible] easily applied [illegible] pkg. [illegible] 2 doz. pkgs. in case. Doz. pkgs. $2.[illegible]

JAPANNED COAL HODS.

Open - Heavy sheet steel, well finished, heavy bail, riveted backhandle [illegible] in bdl.

H2694—15 in	12 lbs.	Doz.	$1 32
H2[illegible] 16	13 "	"	1 [illegible]
H2696— 17	14 "	"	1 68
H2[illegible] 18	15 "	"	1 8[illegible]

With Funnel - Heavy sheet steel, well finished, heavy bail, riveted bar handle. ½ doz. in bdl.

H2703—17 in. 8 lbs. .... Doz. $2.25

GALVANIZED COAL HODS.

Open—Heavy sheet steel, heavily galvanized in spangled luster finish, heavy bail in riveted ears, riveted back handle, strong footed base. ½ doz. in bdl.

H2698—16 in.	16 lbs.	Doz.	$2 18
H2699—17 "	18 "	"	2 40
H2700 18 "	20 "	"	2 58

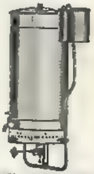
With Funnel—Heavy sheet steel, heavily galvanized in spangled luster finish, heavy bail in riveted ears, riveted back handle, strong footed base. ½ doz. in bdl.

H2701 17 in.	11 lbs.	Doz.	$3 10
H2[illegible] 18	[illegible]	"	3 [illegible]

"WHITE HOUSE" RAPID GAS WATER HEATER.

H3641 -7½x18 [illegible] in. seamless coppered tubing, polished steel jacket, asbestos lined. 1 in crate. 18 lbs. Each $5.00

GASOLINE WATER HEATER.



H3636—[illegible] gauge galvanized iron, encased in [illegible] plate white metal [illegible] Best [illegible] and heat [illegible] heater. Absolutely safe. Will heat water ready for bathing in 20 minutes. 1 in crate 40 lbs. .... Each, $7 50

GALVANIZED HOT WATER BOILERS.

With stand. Thoroughly tested, four [illegible] thread openings.

H2704 30 gal. [illegible] lb. working pressure [illegible] Each $1.95

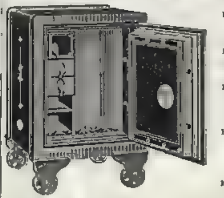
H2705 40 gal. [illegible] Each $5.00

"MEILINK'S" HIGH GRADE STEEL SAFES

SHIPPED FROM OUR HOUSE so goods will reach you promptly.

NOTICE: Tight wall construction filled with light and dry cellular asbestos. One third less weight with same capacity. Economical in shipping—easy to handle—and occupy less space. Fireproof qualities do not depend upon weight. "Meilink's" safes resist fire better than the heavy old style, cement filled safes. Positively guaranteed against swelling walls and interior dampness, which ruins business records, etc.

CONSTRUCTION [illegible] special [illegible] and asbestos filling, light and thoroughly dried. [illegible] only with cement are conducive to dampness and by their greater weight increase freight [illegible] as [illegible] safes as in any at these prices. Bolt work and draw bars all [illegible] cast frames front and back, held by ¼ in. steel stay [illegible] able casters, hand polished baked on black enamel [illegible] and hinges nickel plated and polished. Sound carpet in bottom. Each packed with excelsior and burlapped.



H6806—(Mfrs. 3½). For Home Use. Outside 17¾x11x13¾, inside 11x7x9¾, book space 11x3x9¾, drawer 2¼x2¾x7, file spaces 4x3x9¾. Wt. 93 lbs., shipping wt. 11[illegible] lbs. Each $11.95

H6807—(Mfrs. 5). For Small Business or Home Use. Outside 22¾x14x18, inside 15x9x10¾, book space 13x4¾x10, cash drawer [illegible] Each $16.75

H6808 Mfrs. [illegible] For Doctors, Lawyers or General Use. Outside [illegible] inside 18x10x1[illegible] [illegible] 5x4¾x[illegible] space [illegible] Each $20.95

H6809 (Mfrs. 9). For Office or Business Use. Outside 31x21x20, inside 18¼x14¾x12¾, book space 18¾x9x12¾, 2 lock drawers [illegible] spaces 2¾x4¾x12¾. Complete with inside door and cabinet. Wt. 443 lbs. Shipping wt. 460 lbs. Each $33.95

H6810 Mfrs. [illegible] Large size for [illegible] Business Use. Outside [illegible] inside 18x[illegible] 18¾ x 11¾ x 13¾, 2 lock drawers 4x2¾x10¾, 1 file space 5x4¾x12¾, 2 file spaces 2¾x4¾x12¾, complete with inside door. W[illegible] Each $39.85

"SECURITY" BOND OR CASH BOXES.

16 gauge steel plate, 3 coats baked black enamel, hand rubbed, riveted nickel plated reinforced corners, handle and escutcheon, 3 tumbler unpickable lock, 2 keys. Tissue wrapped in box.

H6801—11¾x7¾x4. 6¾ lbs. Each. $2.75 | H6802—13¾x11¾x4. 9 lbs. Each $3.50

MEILINK'S FIRE PROOF SAFES

A special line of safes designed for the protection of valuables silverware, papers, etc., in the home and for general business and private use.

The inside and outside bodies are formed out of one piece of steel welded at the bottom where the ends meet.

The front and back frames are anchored together through the walls by steel stay bolts. This forms a rigid structure of frames and bodies, solidly interlocking them with each other. This stay bolted construction does away with cross ribs in the outside leaving a smooth finished body all around the safe, and it is much stronger.

The outside steel wall fits inside the front and back frames and is firmly held there by the stay bolts anchoring the frames against it.

The caster blocks are a part of the frame. The wheels are made of malleable iron.

"Meilinks" Safes are guaranteed against Jimpress. The fire walls are a solid "thermo-cel" composition prepared under our own formula using asbestos fibre and binding mediums which contains no moisture and will neither sweat nor swell.

GUARDIAN JR. MODEL

Each

No. 8½—With Combination Lock, Outside Dimensions, 17⅛ in. High, 11 in. Wide, 13½ in. Deep, Inside Dimensions, 11 in. High, 7 in. Wide, 9½ in. Deep.....$.....

Cabinet Work—Book space 11x3⅛x9½ in., subtreasury 3½x3⅛x8 in., one lock drawer 2⅛x3⅛x7⅞ in., one file space 3⅝x3⅛x8¼ in.

Weight Each 80 Pounds.

BANKER JR. MODEL

Each

No. 7—With Combination Lock, Outside Dimensions 25 in. High, 16 in. Wide, 19 in. Deep, Inside Dimensions 16 in. High, 10 in. Wide 12½ in. Deep.....$.....

Cabinet Work—Book space 15x5x12½ in., Subtreasury 4⅞x4⅝x11½ in., two lock drawers 2½x4⅜x10⅛ in., one file space 3½x4⅝x10⅝ in.

Weight Each 185 Pounds.

GUARDIAN MODEL

Each

No. 5—With Combination Lock, Outside Dimensions, 22½ in. High, 14 in. Wide, 16 in. Deep. Inside Dimensions, 13 in. High, 9 in. Wide, 10½ in. Deep.....$.....

Cabinet Work—Book space 13x4x10½ in., subtreasury 4⅞x4¾x9½ in., one lock drawer 2⅛x4¼x9 in., one file space 4½x4½x9¾ in.

Weight Each 140 Pounds.

Each

No. 9—With Combination Lock, Outside Dimensions, 31 in. High 21 in. Wide 20½ in. Deep. Inside Dimensions, 15⅛ in. High, 14⅛ in. Wide, 13½ in. Deep.....$.....

Cabinet Work—Book space 18¼x9¼x13½ in., subtreasury 4⅞x4⅝x10¾ in., two lock drawers 2½x4⅜x10⅛ in., one file space 4x4½x11 in., one file space 2½x4½x11 in.

Weight Each 320 Pounds

MEILINK FILING SAFES

The front and back frames of the "Meilink" Filing Safe are heavy steel angles, each welded into one continuous piece. They are ¼ in. thick and face 2 in. on the front and back and 2 in. on the sides and bottom. The inside and outside bodies are 14 gauge steel. Each one continuous around the sides, top and bottom, welded where the ends meet. They set in channels inside the steel frames. The back plate is also set inside of the frame All joints are thus protected from warping and twisting effect of heat by angle frames. The front and back frames are anchored together through the walls by strong steel stay bolts. These bolts lock the frames solidly onto the inside and outside steel bodies.

The doors are provided with an asbestos tongue or flange, held in position by a steel moulding and cast into shape in the grooved frame, making an absolutely tight joint. The grooved frame is rolled out of heavy steel in one piece.

The fire walls are a solid "thermo-cel" composition of asbestos fibre and binding mediums.

Each

No. 7201—With Combination Lock, Outside Dimensions, 47 in. High 25 ¼ in. Wide, 26 in. Deep, Inside Dimensions, 34 in. High, 18 ¼ in Wide, 19 ¾ in. Deep, with Filing Sections as Described Below, Finished in Olive Green..... $ . .

FILING SECTIONS

One No. 504L Locker Section, outside case 9 ⅛x17 ½x17 in., drawers inside 3 ½x5 ⅛x16 ½ in., locker inside 8x4 ½x16 ⅝ in.

One No. 335CI Three Drawer File, outside 5x17 ½x17 in., drawers inside 3 ½x5 ⅛x16 in

One No. 1SD One Drawer Storage File, outside 6x17 ½x17 in., inside 4 ½x15 ⅝x16 ¼ in.
One No. 3DF Three Drawer Document File, outside 12 ⅝x17 ½x17 in., drawers inside 11 ⅛x5 ⅛x16 in.
One No. 50S Shelf, adjustable, on which equipment is stacked.

Weight Each 650 Pounds

MEILINK SECURITY BOXES

One Piece 18 Gauge Cold Rolled Steel Plate Body and Cover, Two Tumbler Lock, with 144 Changes and Two Flat Keys, Black Velvet Finish, Not Rubbed.

Nos.	401	402	403	404
Length, Inches	9 ¼	11	13	14 ½
Width, Inches	4 ⅜	7 ¼	11 ⅛	11 ⅛
Depth, Inches	4 ¼	4 ¼	6 ¼	8 ¼
Weight Each, Lbs.	3 ½	4 ¾	8 ¾	10
Each	$			

Used to protect papers, jewelry, silverware, etc., at home; private papers, etc., in your office; for bank officials and cashiers in any line of business.

MONEY DRAWERS

NASHUA ALARM

Per Dozen

No. 5—Safety, 18 in. Wide, 16 ½ in. Long, Oiled and Varnished Oak Front, Oil Finished Sides, Back and Sliding Coin Cup, Lock has 32 Combinations which are Quickly and Easily Changed, Gong Sounds as Till is Opened .. **$32 40**

Weight Per Dozen 140 Pounds.
One-half Dozen in a Crate

Per Dozen

No. 2—Wood's, 18 in. Wide, 17 in. Long, Varnished and Polished Oak Front, Oil Finished Hardwood Sides, Back and Half Globe Sliding Coin Cup, Lock has 32 Combinations which can be Changed Instantly, Alarm Does not Sound Except when Attempt is Made to Open the Drawer by an Unauthorized Person..... **$36.00**

Weight Per Dozen 155 Pounds.
One-half Dozen in a Crate.

ROD AND REEL SUNDRIES.

ROD SHORTENERS.

No. 53—2 in. brass, nickel plated, will fit any handle, and receive second joint of rod, thus shortening the rod.....per dozen AHJ $3.00
TWO DOZEN IN A BOX.

FINGER HOOKS.

No. 25—Nickel plated with band, will fit any Bristol rod, complete, per dozen.....JFEJ $10.80
Hooks, only....per dozen ✱ EDJ $9.00

REEL HOLDERS.

No. 11G—**Brower's** length 6¾ in., nickel plated, can be attached to any Calcutta or Japanese bamboo pole, will fit any reel, w't per doz. 1[illegible] lbs. .....per dozen BJJ $3.30
[illegible]R DOZEN IN A BOX.

REEL CASES.

No. 16G—**60 yd. size, russet leather,** per dozen✱ .....JFEJ $11.34
No. 18G—[illegible] size, russet leather, per dozen ✱ ..... GIJ $13.16

ROD CASES.

No. 119G—Single, bass or fly, heavy waterproof canvas, flannel lined with handle, length up to 40 in., diameter 2 in.....per dozen✱ JFJJ $10.00

No. 78G—For 11-a-Noy, Cruso and Bristol steel rods, glove leather, russet color, specify number and length of rod when ordering, per dozen✱ . . ABIE $21.60

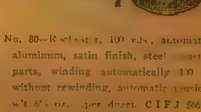
FISH ROD DISPLAY STANDS.

No. 4-G—Ideal, 28 in. high, 12 in. wide, holds 24 rods, woodwork of golden oak, highly finished, all metal parts of polished brass, rubber bumpers on bottom, will not mar [illegible] cases, leather holders for rods, will not damage rods, w't 6¼ lbs., each .. .. .JFJJ $10.00
✱FOR FACTORY SHIPMENT ONLY.

AUTOMATIC REELS.

"Meiselbach."

No. 81—100 yds., 3 in. spool, ¾ in. di[illegible] ..., double multiplying spring of finest tempered steel, all working parts of hard brass and [illegible] steel, working in German silver [illegible] rings, fully guaranteed, w't 11 oz., per dozen .....CFJJ $60.00
This reel has an exclusive feature in a Safety Winding Spring which allows the [illegible] to be wound by turning the [illegible] spring box, without any danger of winding. [illegible] substantial in size and runs in [illegible] oil. [illegible] *All working parts are enclosed.*
Spool has friction release which gives [illegible] ... without danger of injuring the mechanism.
[illegible] ONE IN A BOX.



No. 80—Rochester, 100 yds., automatic, aluminum, satin finish, steel working parts, winding automatically 100 ft without rewinding, automatic reverse, w't 6½ oz., per dozen. CIFJ $66.00
ONE IN A BOX.

SINGLE ACTION FISHING REELS.

REVONOC

Brass, No Click.

No. 225 REVONOC—25 yds., 1 in. pillar, 1½ in. in diameter, w't per doz. 1 lb. 6 oz. .....per dozen **AAJ** $1.80

No. 240 REVONOC—40 yds., 1 1/16 in. pillar, 1½ in. in diameter, w't per doz. 1 lb. 11 oz. .....per dozen **ACJ** $3.15

No. 260 REVONOC—60 yds., 1¾ in. pillar, 1½ in. in diameter, w't per doz. 1 lbs. .....per dozen **ADE** $2.40

Brass, with Click.

No. 325 REVONOC—25 yds., 1 in. pillar, 1½ in. in diameter, w't per doz. 1½ lbs. .....per dozen **ADE** $2.40

No. 340 REVONOC—40 yds., 1 1/16 in. pillar, 1½ in. in diameter, w't per doz. 1⅞ lbs. .....per dozen **AFJ** $2.70

No. 360 REVONOC—60 yds., 1¾ in. pillar, 1¾ in. in diameter, w't per doz. 1¾ lbs. .....per dozen **AIJ** $3.20

Nickel Plated, with Click.

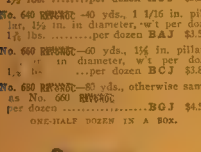
No. 625 REVONOC—25 yds., 1 in. pillar, 1½ in. in diameter, w't per doz. 1½ lbs. .....per dozen **AIJ** $3.20

No. 640 REVONOC—40 yds., 1 1/16 in. pillar, 1½ in. in diameter, w't per doz. 1⅞ lbs. .....per dozen **BAJ** $3.50

No. 660 REVONOC—60 yds., 1¾ in. pillar, 1¾ in. in diameter, w't per doz. 1⅞ lbs. ...per dozen **BCJ** $3.80

No. 680 REVONOC—80 yds., otherwise same as No. 660 REVONOC, per dozen .....**BGJ** $4.50

ONE-HALF DOZEN IN A BOX.



No. 640 REVONOC—40 yds., 1 in. pillar, 1½ in. in diameter, flush balanced handle, raised pillar, with back reeling click, w't per doz. 1⅞ lbs. ..... **DEJ** $7.80

ONE IN A BOX.

REVONOC

No. 5040 REVONOC—40 yds., 1¼ in. pillar, 2¼ in., all rubber discs, with a black sliding disc, w't per doz. 2 lbs., per dozen .....**JGBJ** $12.00

No. 5060 REVONOC—60 yds., otherwise same as No. 5060 REVONOC, per dozen .....**JGHJ** $13.00

ONE IN A BOX.

No. 440 REVONOC—Hard rubber, fancy rubber edges, light weight, single action trout reel, 40 yds., 1 in. pillar, 2¼ in. rubber discs, balanced handle, click on back disc, w't per doz. boxed, 3 lbs., per dozen.....**JIJJ** $15.00

No. 460 REVONOC—60 yds., otherwise same as No. 440 REVONOC, per dozen.....**JIIJ** $16.80

No. 6760 REVONOC—60 yds., 2¾ in. in diameter, w't per doz. 3 lbs. 6 oz., otherwise same as No. 6740 REVONOC, per dozen.....**AAGJ** $12.50

ONE IN A BOX.

FEATHERLIGHT.

No. 3240. No. 3280.

No. 3240—Featherlight, 60 yds., spool 2¼x¾ in., frame and reel seat of one piece, removable spool, back sliding double pointed click and steel spindle, nickel plated, w't 3 oz., per dozen.....**JIFJ** $16.00

No. 3280—Featherlight, 80 yds., spool 2¼x1 in., w't 4½ oz., otherwise same as No. 3240...per dozen **AGCJ** $28.80

ONE IN A BOX.

EXPERT.

No. 3419—Expert, 60 yds., spool 2¼x¾ in., w't 4½ oz., per dozen..... .....**AGCJ** $28.80

No. 3417—Expert, 100 yds., spool 3x1 in., w't 6½ oz., per dozen.....**BAFJ** $36.00

ONE IN A BOX.

GEM.

No. 89—Gem, 60 yds., nickel plated, light weight, adjustable click and line guide, w't 2 oz., per dozen..... .....**BAJ** $8.80

ONE IN A BOX.

ROBES, OVERCOATS AND HORSE COVERS.

AUTOMOBILE ROBES.

Spring Belt.

No. 3595H—Heavy rubber drill face, blue kersey lined, leather soled shoes, w't 6½ lbs.,....each **EIJ** $9.80

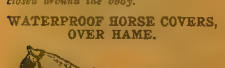
No. 3596H—Extra quality heavy rubber face, green plush lined, leather shoes, w't 8 lbs. .....each **JGGJ** $12.80

No. 3597H—"Combination Robe," fine black plush velour face, lined with same material, rubber interlined, lined, leather shoes, w't 5½ lbs., each .....**AJHJ** $18.00

No. 3596H Extra quality brown corduroy face, black plush lined, leather shoes, w't 8 lbs. ...each **JIJJ** $15.00

The Spring Belt in the above robes is made of fine tempered steel and applied to the upper edge of robe and made to shape itself to the body and hold the robe firm in place. The divided foot pockets or "shoes" are adapted for use in automobiles, the separation enabling the operator to reach easily the pedals at the same time. The feet are thus in separate partitions and completely covered all around, the robe falling together at the back when the spring belt is closed around the body.

WATERPROOF HORSE COVERS, OVER HAME.



Heavy 14 oz. White Duck Reinforced Front and Buckle Strap with Line Pockets and Rawhide Hame and Trace Leathers.

No. 5020—58 in. deep, made in two parts, seamed together in middle, for heavy express or teaming, w't per doz. 40½ lbs. .....per dozen **BDDJ** $40.70

No. 5023—66 in. deep, made in three pieces, for heavy express or teaming, w't per doz. 48 lbs.. per dozen .....**BGJJ** $45.00

No. 5015—Extra heavy brown oiled duck, with line pockets, extra large hame leathers, with trace leathers and buckle at ap, for heavy express or draft, w't per doz. 78 lbs., per dozen .....**BHHJ** $48.00

AUTOMOBILE ROBES.

No. 300R—Black Russian bear skin, lined with good quality quilted sateen, sleeves reinforced with leather shields, black Siberian marten storm collar, sizes 44, 46, 48 and 50 in. chest measurement, w't 13 lbs., each .....**BAJJ** $35.00

No. 310H—Black Siberian dog skin, lined with good quality quilted sateen, sleeves reinforced with leather shields, high storm collar of same fur, sizes 44, 46, 48 and 50 in. chest measurement, w't 12 lbs., each .....**BBEJ** $37.50

No. 315H—Black Siberian dog skin, lined with good quality quilted sateen, sleeves reinforced with leather shields, American musk hog storm collar, sizes 44, 46, 48 and 50 in. chest measurement, w't 12 lbs., each .....**BFCJ** $43.50

Above measurements indicate sizes necessary to fit 40, 42, 44 and 46 in. respectively, dress coat chest measurement.

When ordering be sure to state sizes desired.

WATERPROOF HORSE COVERS, OVER HAME

Black Oiled Reinforced Front with Buckle Strap, Well Made Pockets, Hame and Trace Leathers for Heavy Express or Teaming.

No. 5000—Oiled sheeting, w't per doz. 435 lbs. ..... per dozen **BAJJ** $35.00

No. 5003—Oiled drill, w't per doz 54 lbs., per dozen ..... **BDHJ** $43.50

No. 5005—Oiled duck, w't per doz. 67½ lbs. .....per dozen **CJJJ** $50.00

WATERPROOF HORSE COVERS, OVER HAME.

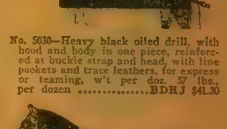
No. 5010—Imitation rubber coated, heavy black drill, fancy plaid fleece lined, reinforced front and buckle strap, with line pockets, hame and trace leathers, for delivery or express, w't per doz. 54 lbs., per dozen .....**CDJJ** $57.50

TO COLLAR.

No. 5045—Black oil drill, fancy plaid fleece lined, reinforced buckle and trace straps, with line pockets, for buggy or express, w't per doz. 60 lbs., per dozen .....**CBGJ** $53.80

WATERPROOF HORSE COVERS, TO HEAD.

No. 5030—Heavy black oiled drill, with hood and body in one piece, reinforced at buckle strap and head, with line pockets and trace leathers, for express or teaming, w't per doz. 57 lbs., per dozen .....**BDHJ** $41.30



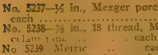
No. 5035—Heavy black oiled drill, fancy plaid fleece lined, with hood and body in one piece, reinforced at buckle strap and head, with line pockets and trace straps, for express or buggy, w't per doz. 61 lbs., per doz. **CPHJ** $61.30

SPARK PLUGS.

Mezger Sootproof.

No. 5237—½ in., Mezger porcelain plug, each ..... EJ $0.80
No. 5238—⅜ in., 18 thread, Mezger porcelain plug, each ..... EJ $0.85
No 5239—Metric ..... each EJ .80
No. 5240—Sootproof porcelain, extra, each ..... BE $0.40

Standard for country over and un[illegible]



RIVERSIDE.

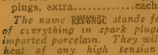
No. 5246 RIVERSIDE—Porcelain, ½ in., standard..... each JEE $0.90
No. 5247 RIVERSIDE—Porcelain, ⅜ in., 18 thread, A. L. A. M..... each JEE $0.90
No. 5248—Porcelains for RIVERSIDE spark plugs, extra..... each BJ $0.30

The name RIVERSIDE stands for the best of everything in spark plugs; genuine imported porcelains. They will stand the heat of any high tension magneto. RIVERSIDE plugs are guaranteed to give satisfaction.

No. 5245-A RIVERSIDE—Special for Ford cars, ½ in., porcelain, w't each 4 oz., each ..... EE $0.90

This plug is the same size and model as No. 5246 RIVERSIDE, except that it has a long hexagon steel shell, permitting easy access to it with a wrench when plug is used in a deep-seated valve cage as is the case on Ford cars

ONE IN A BOX.



No. 5249—Cruso, porcelain, ½ in., standard..... each CE $0.60
No. 5250—Cruso, porcelain, ⅜ in., 18 thread, A. L. A. M.... each CE $0.60
No. 5250-A—Cruso..... each BJ .30

SPARK PLUG PORCELAINS.

Red Head.

No. 5251—½ in. porcelain, each EJ $0.80
No. 5252—⅜ in., 18 thread, porcelain, each ..... EJ $0.80
No. 5253—Metric porcelain, each ..... EJ .80
No. 5254 Porcelains, extra, each ..... CE .60

The Red Head is one of the best known and most popular plugs on the market, due to its simple, but effective construction.

"V-RAY."

No. 5292—½ in. ..... each JGJ $1.30
No. 5293—⅜ in., 18 thread, each ..... JGJ 1.30
No. 5294—Metric..... each JGJ 1.20

The "V-Ray," with its penetration of electrodes, delivers the spark to the gas-area. Other plugs await the belated delivery of the gas to the spark-area in cylinder-wall.

The "V-Ray" has the only self-cleaning device yet devised in plugs

The "V Ray" is the ideal "cold-weather plug" once over cranks your car or engine.

The "V-Ray" terminal cap fits every known terminal

The "V-Ray" won't soot or miss. The porcelain is too far away to permit the splashing of oil; the Phoenix alloy electrodes can't corrode from heat.

Every part unqualifiedly guaranteed for life. This includes porcelain and metal.

KINGSTON MICA.

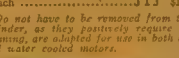
No. 5300—½ in. ..... each EJ $0.80
No. 5301—⅜ in., 18 thread, each ..... EJ [illegible]
No. 5303—Metric, motorcycle special, each ..... EJ $0.80

These plugs are made from mica of best obtainable grade and are recognized as the standard of all mica plugs.

Reliance, "Sparks in Water," Porcelain.

No. 5255—½ in., standard, each ..... JIJ $1.30
No. 5256—Metric..... each JIJ 1.30
No. 5257—⅜ in., 18 thread, A. L. A. M., each ..... JIJ $1.30

Do not have to be removed from the cylinder, as they positively require no cleaning, are adapted for use in both air and water cooled motors.



Bougie Mercedes.

No. 5276—½ in..... each AAJ $1.80
No. 5277—⅜ in., 18 thread, each ..... AAJ 1.80
No. 5278—Metric..... each AAJ 1.80
No. 5279—Motorcycle.. each AJJ 1.70

Made of unbreakable stone, which being pressed and baked at a temperature of over two thousand degrees, will withstand the highest temperature without cracking.

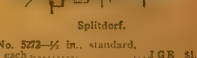
"PIRATE."

No 5305 ½ in., w't 2 oz., each ..... BE $0.44
No. 5306 ⅜ in., 18 thread, w't 2 oz., each ..... BE $0.44

ONE IN A CARDBOARD CARTON.

No. 5266—Rajah, ½ in., porcelain, each ..... JIJ $1.50
No. 5267—Rajah, ⅜ in., 18 thread, porcelain..... each JIJ $1.50
No. 5268—Rajah, metric, porcelain, each ..... JIJ 1.50
No. 5269—Porcelains, extra, each ..... DE .76
No. 5270—Gaskets for Rajah porcelains, extra ..... each JB $0.03
No. 5271—Rajah Terminals, extra, each ..... JG .12

This plug is simple in construction, easy to repair or replace porcelain, and is thoroughly mechanical in every respect. Insulation—Highest grade imported hard fire porcelain of special pattern, securely packed, which insures against firing through. The new clip terminal does away entirely with the necessity for either thumb screw, nut or other device for attaching or securing wire or cable to spark plug.



Splitdorf.

No. 5272—½ in., standard, each ..... JGE $1.20
No 5273—⅜ in., A. L. A. M., each ..... JI 1.50
No. 5274—Metric..... each JIJ 1.50
No. 5275—Motor Cycle Metric, each ..... JIJ 1.50

Splitdorf common sense plug, taper pin wound with sheet mica, covered with mica washers drawn tight under pressure, impossible to become leaky, firing chamber, soot and oil proof sparking [illegible]

SPARK PLUGS AND CARBURETORS.

CHAMPION REGULAR PLUGS.

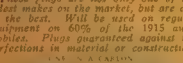
Highest Quality Porcelain Center Wire Baked in, No Chance for Leakage, Nickel Points Cannot Corrode, Oxidize or Carbonize.

No. 5284—1 in. ..... each EJ $0.84
No. 5285—A. L. A. M. ..... each EJ .84
No. 5286—Metric ..... each EJ .84
No. 5287—Porcelains only, each ..... CE .50

These plugs are not only one of the oldest makes on the market, but are one of the best. Will be used on regular equipment on 60% of the 1915 automobiles. Plugs guaranteed against imperfections in material or construction.

ONE IN A CARTON.

CHAMPION X PLUGS.



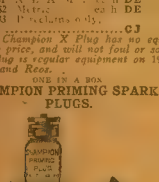
Best Grade Porcelain, Separable Core, Gasket Construction, Similar to Regular Champion.

No. 5280—1 in. ..... each DE $0.74
No. 5281—A. L. A. M. ..... each DE .74
No. 5282—Metric ..... each DE .74
No. 5283—Porcelains only, each ..... CJ .50

The Champion X Plug has no equal for the price, and will not foul or soot. This plug is regular equipment on 1915 Fords and Reos.

ONE IN A BOX.

CHAMPION PRIMING SPARK PLUGS.



No. 5310—1 in., with each ..... JHJ $1.30

This plug is particularly adapted to Ford cars.

Starts any motor any time on one-quarter turn.

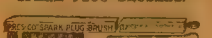
ONE IN A BOX.

SPARK PLUG BUSHINGS.

No. 5352—Threaded with metric thread inside, standard ½ in. outside, each ..... JG .50

For repairing stripped spark plug holes.

SPARK PLUG BRUSHES.



No. 5354—Presco, wire bristles, hair tuft, 2 tempered thin flat steels, per dozen ..... AHJ $3.00

CARBURETORS.

Schebler, Model "D" Standard for Automobiles, Marine and Stationary Engines.

No. 5426—1 in. pipe size, each ..... JIFJ $16.00
No. 5427—1¼ in. pipe size, each ..... AJBJ $17.00
No. 5428—1½ in. pipe size, each ..... ACBJ $22.00
No. 5429—2 in. pipe size, each ..... BFDJ $4.00

Model "H" for Motorcycles.

No. 5430—¾ in pipe size, each ..... JIJJ $15.00
No. 5431—1 in pipe size, each ..... JIFJ 16.00

Schebler, Model "L" Water Jacketed Feed Automatically Controlled Finer Adjustments.

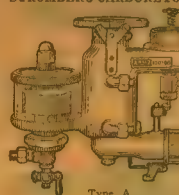
No. 5432—1 in. iron pipe size, each ..... AJHJ $18.00
No. 5433—1¼ in. iron pipe size, each ..... ABJJ $20.00
No. 5434—1½ in. iron pipe size, each ..... AEJJ 25.00
No. 5435—1¾ in. iron pipe size, each ..... AHJJ $30.00

The Model "L" carburetor has several new features. The air valve is interchangeable so that air can be drawn from either top or bottom.

The amount of fuel entering the mixing chamber is controlled automatically by means of a needle valve, directly connected to a roller operating on a cam spring adjustable to different angles by means of the cam spring adjusters. A standard throttle is used with this carburetor.

The carburetor is supplied with a water jacket on the throttle, and this with the main body is connected up with hot water connections from the exhaust.

STROMBERG CARBURETORS.



Type A.
Stromberg.

First—See that level of gasoline is opposite line on carburetors, if too high, turn nut down, if too low, turn nut up. This is set right at factory.

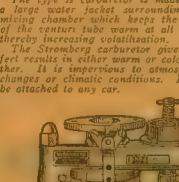
Second—Turn this nut up or down until you have a perfect mixture on low speed.

Third—If you have too much gas on high speed, turn this nut down, if not enough, turn it up.

No. 5450—1 in. ..... each AEGE $26.24
No. 5451—1¼ in. ..... each AHJJ 30.00
No. 5452—1½ in. ..... each BBJE 37.50
No. 5453—2 in. ..... each CFJJ 60.00

The type A carburetor is made with a large water jacket surrounding the mixing chamber which keeps the walls of the venturi tube warm at all times, thereby increasing volatilization.

The Stromberg carburetor gives perfect results in either warm or cold weather. It is impervious to atmospheric changes or climatic conditions. It can be attached to any car.



Type B.

No. 5454—1 in. ..... each AECJ $25.50
No. 5455—1¼ in. ..... each AGAJ 28.50
No. 5456—1½ in. ..... each BJGJ 34.50
No. 5457—1¾ in. ..... each BEBJ 42.00

The type B carburetor is made for use on motorcycles, motor boats, and other engines which are water cooled or that have the thermo syphon cooling system. The type B has the independent low and high speed adjustments the same as type A and will develop the same power and speed. It can be attached to any car.

IMPORTANT.

All Stromberg carburetors are sold without fittings. Fittings extra. In ordering, state name and model of car, size and style carburetor wanted, with [illegible]. Prices on fittings [illegible]

PORTABLE ACETYLENE LIGHTS

MILBURN

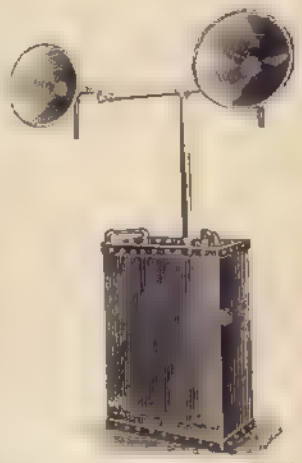
Absolute Simplicity, No Pumps, Globes or Moving Parts, Lights Instantly. Requires no Attention During Use.

The apparatus mainly comprises three parts, an outer tank holding water and an inner receptacle holding the carbide, and a burner stand pipe.

The lights are small and compact in size, being less than half the weight of oil lights of equal power. The light is made by water and carbide, burns more than half air and requires not the slightest attention during use

Can be instantly recharged by having an extra cylinder filled ready for use.

Smokeless, incandescent, absolutely storm-proof, unaffected by vibration, wind or weather. Flame can be regulated from the maximum light to a needle point.



Each

No. 2—Compaction, 10x10x30 in. Tank, 5 ft. High Over All, 12 in. Non-Tarnishing Parabolic Reflector, with Separate Steel Backing which Makes it Practically Indestructible, Absolutely Storm-Proof Burner, Gives a Light of 5,000 Candle Power, Lights 1,000 Feet, Weight Each Empty 50 Lbs., Complete with Extra Cylinder $62.00

Very useful for builders, contractors, railroads, mines and circuses.

Weight Each 75 Pounds.

Each

No. 4Z—Twin, 12x24x36 in. Tank, 6 ft. High Over All, Two 15 in. Non-Tarnishing Parabolic Reflectors, with Separate Steel Backings which Makes it Practically Indestructible, Absolutely Storm-Proof Burners, Gives a Light of 20,000 Candle Power, Lights 3,000 Feet, Weight Each Empty 160 Lbs., with Twin Cylinders..... $114.00

The reflectors swivel in any direction, making the light the farthest reaching and most powerful ever made for contractors.

Weight Each 223 Pounds.

CAMPAIGN TORCHES

No. 1.

No. 5.

No. 10.

Per Dozen

No. 1 Single Tube, Plain Tin, Capacity 1 Pint, Double Swing, without Handle and Wick.....$. . .

No. 2—Two Tubes, Otherwise Same as No 1..... . . .

Weight Per Dozen 10 Pounds.

WALL TORCHES

These Wall Torches are well made, strong, durable and reliable in every particular, and their light is large, clear and bright. The wind will not put out the flame, and rain, cold or heat will not affect same.

The pipe runs through tank bottom to top where it is securely fastened.

Simple in operation. Easily kept clean. Latest and highest improved construction.

Hard Baked Black Japanned Tank Face, Black Japanned Pipe, Brass Globe Valve and Generating Burner.

For Gasoline.

Each

No. 1 —Single Burner, Black Japanned Tank, Capacity 1 Gallon, Av. Weight Per Dozen 50 Lbs.....$....

No. 1G—Single Burner, Galvanized Tank, Capacity 1 Gallon, Av. Weight Per Dozen 55 Lbs.....

No. 5 —Jumbo Burner, Black Japanned Tank, Capacity 1 Gallon, Produces a Very Efficient, Steady, Brilliant Light, Av. Weight Per Dozen 60 Lbs . . . . . .

For Kerosene.

Each

No. 10—Single Burner, Black Japanned Tank, Capacity 1 Gallon, Av. Weight Per Dozen 50 Lbs . . . .$. .

LANTERN GLOBES

FITALL TUBULAR

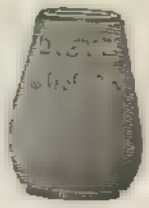
Per Dozen

No. 0—White, 6⅝ in. High, Top 2·· in Wide, Bottom 3⅛ in. Wide.....$....

No. 0R—Ruby, Otherwise Same as No. 0..... ....

Weight Per Dozen 10 Pounds.

JUNIOR COLD BLAST



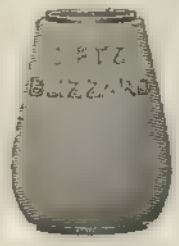
Per Dozen

Junior—White, 5½ in. High, Top 2⅜ in. Wide Bottom 2⅛ in. Wide.....$....

Junior R — Ruby, Otherwise Same as "Junior"..... ....

Weight Per Dozen 9 Pounds.

BLIZZARD COLD BLAST



Per Dozen

No. 2—White, 6⅝ in. High, Top 2⅛ in Wide, Bottom 3⅛ in. Wide.. .....$....

No. 2R—Ruby, Otherwise Same as No. 2..... ....

Weight Per Dozen 15 Pounds.

LITTLE WIZARD, COLD BLAST

Per Dozen

Little Wizard—White, 3⅛ in. High, Top 3¼ in Wide, Bottom 2⅛ in. Wide.....$....

Little Wizard-R—Ruby, Otherwise Same as Little Wizard . .. .

Weight Per Dozen 7 Pounds.

D-LITE, COLD BLAST

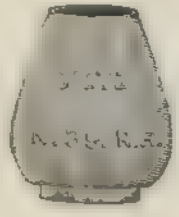
Per Dozen

D-Lite—White, 4⅛ in High, Top 4 in. Wide, Bottom 3⅛ in. Wide.....$....

D-LITE-R — Ruby, Otherwise Same as "D-Lite"..... ....

Weight Per Dozen 12 Pounds.

VULCAN RAILROAD



Per Dozen

No. 39—White, 4⅞ in. High, Top 2⅛ in. Wide, Bottom 3⅜ in. Wide.....$. ..

No. 39R — Ruby, Otherwise Same as No. 39..... ....

Weight Per Dozen 13 Pounds.

STREET LAMP GLOBES

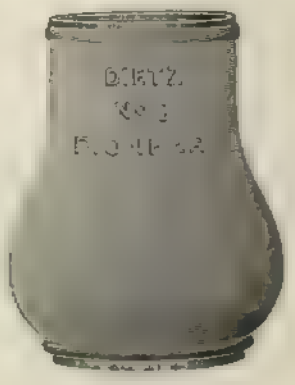
TUBULAR

Per Dozen

No. 2—9 in. High, Top 4⅝ in. Wide, Bottom 6 in. Wide .....$....

Weight Per Dozen 40 Pounds.

PIONEER

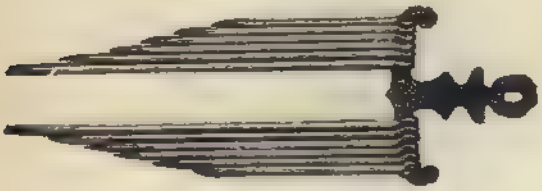


Per Dozen

No. 3—10¾ in High, Top 5¾ in. Wide, Bottom 6 in. Wide..... . . ..$....

Weight Per Dozen 73 Pounds.

SKEWERS



Bright Steel, Round, 12 in a Set.

	Per Dozen Sets
Game—3 to 5 in. Long	$
Bird—3 to 8 in. Long	

LARDING NEEDLES

IN CASES

Sabatiers.

	Per Dozen Cases
No. 1—Steel, One Dozen Assorted in a Case	$

W. H. & Co.

No. 2—Steel, One Dozen Assorted in a Case

Weight Per Dozen Cases 7 Pounds.

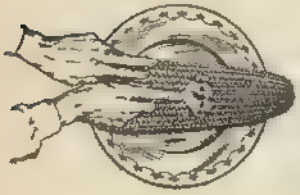
SEPARATE

Steel.

Inches	6	7	8	9	10	11	12
Wt Doz. Lbs	1½	2	2½	3½	4½	5½	6½
Per Dozen	$						

CORN SLITTERS

PANCOAST



For Individual Use at the Table.

	Per Dozen
No. 1 -Nickel Plated, Steel	$
No. 2—Silver Plated, Steel	

One Dozen in a Box

MINCING KNIVES

	Per Dozen
No. 4—Single, Crucible Steel Blade, Beech Handle, Polished Edges, Brass Screws, Weight Per Dozen 4½ Lbs.	$

One-half Dozen in a Box.

	Per Dozen
No. 40—Double, Polished Steel Blades, Well Braced Malleable Iron Shank, Plain Wood Handle. Weight Per Dozen 4 Lbs.	$

One Dozen in a Box.

BUTCHERS' CLEAVERS

BEATTY'S NEW YORK PATTERN

Solid Cast Steel Blade, Flat Applewood Handle, Riveted Steel Ferrule.

Nos.	036	037	038	039
Cut, Inches	6	7	8	9
Wt. Per Dozen, Lbs.	28	32	38	46
Per Dozen	$32 00	35.00	38.00	42.00

One-half Dozen in a Wooden Box.

BUTCHERS' LAMB CLEAVERS

BEATTY'S NEW YORK PATTERN

Solid Cast Steel Blade, Flat Hardwood Handle, Riveted Steel Ferrule.

Nos.	068	069
Cut, Inches	8	10
Weight Per Dozen, Lbs.	24	28
Per Dozen	$30 00	36 00

One-half Dozen in a Wooden Box.

PINEAPPLE EYESNIPS

YAWMAN'S

Per Dozen

No. 5—Nickel Plated Steel Blade, Wood Handle. Weight Per Dozen 2 Lbs.....$....
Takes out the eyes and cores from pineapples without wasting the fruit.

One Dozen in a Box

VEGETABLE EYERS

PEERLESS

Top View.

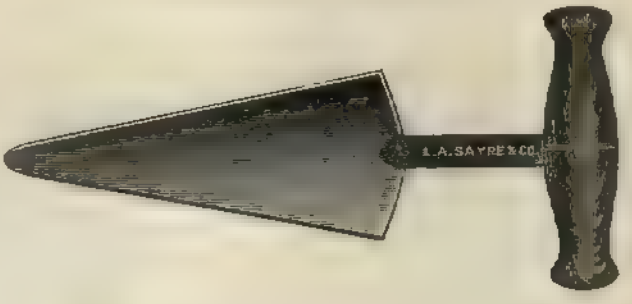
Side View

Per Dozen

No. 15—Combined Fruit and Vegetable Eyer, Spoon Shaped Nickel Plated Steel Blade, with Two Cutting Edges, Wood Handle, Weight Per Dozen 2 Lbs.....$....
Removes the eyes and cores from pineapples, cores from apples and pears, eyes and spots from potatoes.

One Dozen in Display Box.

CABBAGE CORERS



Per Dozen

No. 253—Forged, Wood Handle, Width Across Heel 2½ in., Weight Per Dozen 4 Lbs.....$....

APPLE CORERS AND PARERS

Per Dozen

No. 122—5⅞ in. Long, Good Quality Tin, Combined Corer and Parer, Weight Per Dozen ¾ Lb.....$....

One Dozen in a Package.

APPLE CORERS

Per Dozen

Rapid—6½ in. Long, Heavy XXXX Tin, Polished Hardwood Handle Weight Per Dozen 1¾ Lbs.....$....

One Dozen in a Box.

Per Dozen

No. 121 6¼ in Long, Good Quality Tin, Weight Per Dozen 1¾ Lbs.....$....

One Dozen in a Package.

Per Dozen

Lightning—6 in Long Heavy XXXX Tin, Weight Per Dozen 1½ Lbs.....$....

One Dozen in a Box

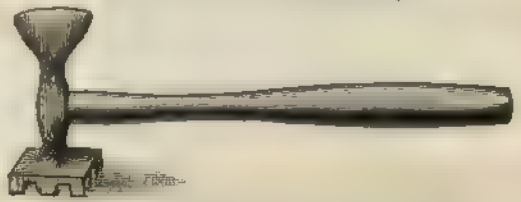
PASTRY JAGGERS

Per Dozen

No. 10 Brass 4 in. Long, Weight Per Dozen ¾ Lb.....$....
No. 20 Nickel Plated, 4 in. Long, Weight Per Dozen ¾ Lb.....
Used for edging pastry, etc. Has wheel for cutting air holes in pies, etc.

One Dozen in a Box

STEAK HAMMERS



Combined Steak Hammer and Ice Hatchet.

Per Dozen

No. 1—Tinned, Cast Iron, 10 in. Long, Polished Wood Handle, Weight Per Dozen 8 Lbs.....$....
No. 2—Japanned, Cast Iron, 10 in Long, Polished Wood Handle, Weight Per Dozen 8 Lbs.....

One-half Dozen in a Box.

MINERS' SUPPLIES

BLASTING FUSE

Crescent: 6,000 feet in case, weight per case 125 pounds, per 1,000 feet $4.05
Single tape, 6,000 feet in case, weight per case 125 pounds per 1,000 feet..... 4.05
Double tape, 6,000 feet in case, weight per case 130 pounds per 1,000 feet 4.85
Gutta percha, 6,000 feet in case, weight per case 125 pounds per 1,000 feet 4.05

ELECTRIC FUSE

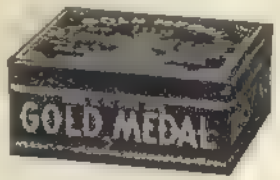
Double Strength

Length, feet	4	6	8	10	12
Weight per 100, pounds	3½	5	5½	7½	9
Per 100	$3.50	4.04	4.58	5.12	5.66
Length, feet	14	16	18	20	24
Weight per 100, pounds	10	11	12	13½	14
Per 100	$6.20	6.74	7.28	7.82	9.82

FUSE CUTTERS

Gold Medal Fuse Cutter and Cap Crimper, weight per dozen about 2 pounds, each..... $0.80

BLASTING CAPS



No. 4 Quadruple force, per 1,000..... $
No. 5 Quintuple force, per 1,000.....
No. 6 Sextuple force, per 1,000.....
Weight per box about ½ pound

100 in a box

LEADING WIRE

For use in connection with blasting machines and electric exploders.

In coils of 500 feet, weight per 1½ pounds, per pound $.

CONNECTING WIRE

Insulated copper wire for connecting exploders when several charges are to be fired simultaneously

In spools of 100 feet, weight 1 pound, per pound ..... $.....
In spools of 500 feet, weight 5 pounds, per pound .....

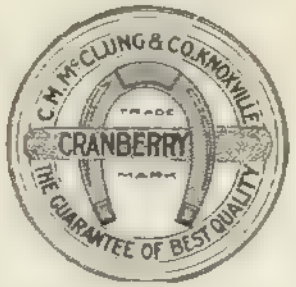
BLASTING MACHINES

No. 3 Pull up, maximum capacity 50 fuses, weight 35 pounds each $15.00
No. 4 Pull up, maximum capacity 80 fuses, weight 55 pounds each 30.00

No. 3 will be furnished with two posts unless ordered with three.

No. 4 will be furnished with three posts unless ordered with two.

DYNAMITE



...r railroad and contract work, quarrying, ...ming, sinking of wells, shafts, etc.

Submarine blasting, removing stumps, earth blasting, ditching and farm blasting

Ammonia					Nitro Glycerine			
Strength (ammonia)	25%	33%	40%	50%	Strength (nitro glycerine).....	40%	50%	60%
Sticks 1¼ x 8 inches, per pound...$....		....	....	....	Sticks 1¼ x 8 inches, per pound.....$			

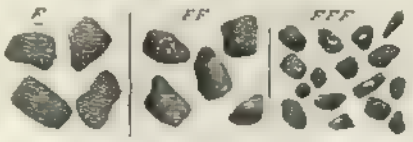
...per pound

JUDSON RAILROAD POWDER

Has about four times the strength of black blasting powder. Used ... railroad contractors for removing dirt and rocks and ... for blowing stumps.

In 12½ pound bags ... per pound..... $

BLASTING POWDER



F	In 25 pound kegs, per keg	. .
FF	In 25 pound kegs, per keg	. . .
FFF	In 25 pound kegs, per keg	. . .

MINERS' CHECKS

Merchandise, Brass or Aluminum

Denomination.....	5 cts.	10 cts.	25 cts.	50 cts.	$1.00
Weight per 100, pounds...	....	....	....	....	....
Per 100	$2.50	2.50	3.50	4.00	5.00
Any number 100	2.00	2.00	2.50	3.00	4.00

Car Checks, Punched

Size, inches	1¼	1½	1¾
Weight per 1,000, pounds.....	.....	.....	.....
Per 500 .....$	8.00	9.00	10.00
Per 1,000	15.00	17.00	18.00

BRATTICE CLOTH

Style A Waterproof

This is the original Rubbertex brattice cloth, and is available ... mines using open lights and having a minimum of dangerous gases ...

The Rubbertex process renders the raw fabric impervious to water; it protects ... from rot, ... makes it acid, oil, dust and slime proof; it increases the tensile strength of the raw material at least 25 per cent and its wearing qualities 100 per cent.

Practical mining men, who have tested this brattice cloth, are unanimous in the opinion that it is superior to any article of the kind heretofore produced.

Style A Brattice Cloth ... per square yard, $.

*Style B Fireproof

This style is recommended for use ... mines where there ... constant danger of explosions and where protection is desired against the ... carrying fire after being blown from a shot. Other elements have been sacrificed at the expense ... proofing and ... lately fireproof cloth.

The most severe tests to which it has been subjected prove that the ... on feature has been brought to a state of perfection ... heretofore ...

Style B Brattice Cloth ... .per square yard, $. .

Non-Inflammable

Non-Inflammable is a ... paper cloth than Styles A or B and is very durable..... ... per square yard, $

Brattice Cloth is put up in pieces of 50 lineal yards, and in 36, 48, 60 and 72 inch widths.

*Not carried in stock, can be shipped promptly from factory.

AUTOMOBILE CLOCKS AND SUNDRIES.

"MINOT" AUTO CLOCKS.

Cowlboard Type.

No. 5941—Black enamel, nickel rim, 8 day, rim wind and set, 2 in. silver dial, second hand, sets flush with dash, w't each 1 lb., each ..... **JGBJ** $12.00

No. 5942—3 in. silver dial, otherwise same as No. 5941, each **JGHJ** $13.00

Dashboard Offset Type.

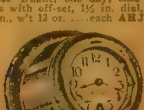
No. 5940—Black enamel, nickel rim, 8 day, rim wind and set, 2 in. silver dial, second hand, w't each 1 lb., each ..... **JGBJ** $12.00

The movement in Minot Auto Clocks has quick train, straight line escapement, is reinforced, perfect in workmanship and fully guaranteed. Set by releasing safety lever and turning rim.

In all Minot Clocks, the winding and setting parts are assembled in the movement and have no connection whatever with the case. This eliminates all chance of variation between movement and case affecting the winding and setting mechanism.

ONE IN A BOX COMPLETE WITH FITTINGS.

No. 5931—Dunaw, one day, case heavy brass with off-set, 1½ in. dial, diam. 2⅜ in., w't 12 oz. ....each **AHJ** $3.00



No. 5932—Jericho, nickel plated or gun metal finish on brass, 3 in. porcelain dial, dust and waterproof case, large distinct black numerals, runs 8 days with one winding, diam. 4⅛ in., w't 2 lbs. .....each **DHJ** $8.00

AUTO CLOCKS.

No. 5934—New Ormond, nickel plated or gun metal finish on brass, 3 in. porcelain dial, dust proof case, large distinct black numerals, runs 8 days with one winding, diam. 4 in., w't 2 lbs. .....each **BAJ** $8.50

MIRRORSCOPES.

No. 6171—Argos, special plate glass mirror bound in brass, it has a ball and socket joint so that it may be moved in any position, so that the driver can see to the rear, each **BAJ** $3.50

Finished in black enamel only.

BRACKETS FOR LIGHT WEIGHT CARS.

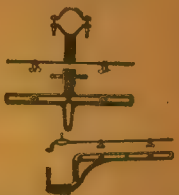
License, Stamped Steel, Black Enameled, Light Weight. Front License Bracket.

No. 5987—Attaches to headlight bracket on Ford cars when tag is not over 15 in. long .....each **CF** $0.60

Combination Rear Lamp and License Tag Holders for Light Weight Cars.

No. 5988—Interchangeable type, flat prop, made for tail pushbar do not have combination sockets and require flat prop.....each **CF** $1.00

NEVER OUT LICENSE BRACKETS.



No. 5981—Front, black enameled steel, each .....**DE** $0.76

Easily attached to radiator cap of car.

No. 5982—Rear, black enameled, each .....**DE** $0.76

Quickly attached to any standard lamp bracket, clinched quickly into a steady position that allows the tail light to fall freely on license number.

No. 5986—Never-out, attached to radiator cap, has large oval opening for attaching to cars having oval filler caps .....each **DE** $0.76

Rod License Brackets.

No. 5989—For attaching to any rod between headlights, single grip, can be used on curved or straight rods, each .....**CE** $0.60

ALUMINUM HEEL PLATES.

No. 6176—10½x6 in. ....each **JFJ** $1.00

These plates are to be fastened to the floor board directly back of the foot pedals, protecting the molding from wearing through. They are neat in appearance, and will save their cost in two times over in a single season's use.

STEWART MAGNETIC SPEEDOMETERS.

Stewart speedometers are undeniably superior to all others in construction, materials and design. Every possible device and refinement known to the speed of the shaft has been reduced 60 per cent—from 1,000 to 400 revolutions. The whole installation, from road wheel gear to the beautiful, one piece drawn brass case, will satisfy the most critical car owner. Clock combinations will be more popular than ever.

IMPORTANT FEATURES.

The Grade Indicator is an exclusive feature, and can be obtained with no other speedometer. The use of the grade indicator will teach the driver just what to expect from his car, telling him when to shift gears in climbing hills and in many other ways helps to get maximum efficiency out of the car.

The Odometer is a plain, hard bronze gear train, positively driven, each wheel positively locked into its proper position to eliminate all possibility of the dials skipping or failing to register the correct mileage—no subtraction required. A big, strong, worthy instrument that will run 10,000,000 miles and still be serviceable. The season odometer registers 100,000 miles and returns. The trip odometer registers 100 miles and can be reset at any time to any point of a mile.

The Stewart Drop Forged Swivel Joint is also an exclusive feature. Satisfactory service of speedometer and equipment will depend upon the swivel joint, which eliminates the need of short bends in the flexible shaft, and makes it independent of the road wheel when steering. The Stewart drop forged swivel joint will outwear any car to which it is attached.

The Flexible Shaft can be tied into a knot without breaking. The inner and outer walls are of special steel wire. The driving core is of steel links, one hooked into the other, the strongest and most durable flexible shaft supplied with any speedometer.

The Road Wheel Gear is of brass, cast steel, with milled teeth of broad profile, that will not cut the driving pinion. The gear is positively noiseless.

The Clocks used in Stewart combinations are the famous Seth Thomas, and are run wound and run set. To wind, you turn the rim. To set, you pull out and turn the rim. No key required. No taking off of the bezel to set the hands.

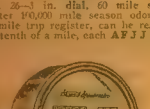
Every unit, every part of the instrument and equipment will bear the most critical analysis. No more suitable material can be purchased. No better workmanship is known. There is no better method of construction. No possibility of making an instrument more accurate or dependable for the purpose.

All Stewart Speedometers are finished in black and nickel.

Model 26—3 in. dial, 60 mile speedometer 100,000 mile season odometer, 100 mile trip register, can be reset to any tenth of a mile, each **AFJJ** $20.00

Speedometer with Grade Indicator.

Model B—Rotating dial, 4 in. dial, 60 mile speedometer, 100,000 mile season odometer, 100 mile trip register, grade indicator, no electric light, each ..... **DJJJ** $50.00



Three Inch Speedometer without Grade Indicator.

Model C—Rotating dial, 3 in. dial, 60 mile speedometer, 100,000 mile season odometer, 100 mile trip register, without grade indicator, each ..... **ABJJ** $25.00

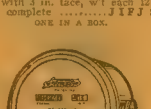
Model C2—Rotating dial, 3 in. dial, 100 mile speedometer, 100,000 mile season odometer, 100 mile trip register with stem reset, each ..... **BAHE** $30.00

Model B2—Rotating dial, 4 in. dial, 100 mile speedometer, 100,000 mile season odometer, 100 mile trip register, grade indicator, no electric light, each ..... **CFFE** $55.00

Either model equipped with electric light ..... **DJJ** $5.00

STEWART SPECIAL FOR FORD CARS.

Model 100-G—Rotating dial, 60 mile speedometer, 10,000 mile season odometer, 100 mile trip odometer, can be reset, black enamel case, etched silver dial with 3 in. face, wt each 12 lbs., each complete ..... **JIFJ** $12.00
ONE IN A BOX.



Model G—Rotating Dial, 4 in. dial, 100,000 mile odometer, 60 mile speedometer, 100 mile trip register, which can be rapidly reset to any point of a mile, jeweled bearings, polished steel magnet of Stewart pedestal type, case is finished in nickel or lacquer metal trim, each **CBJJ** $4.00

IN ORDERING SPEEDOMETERS, GIVE SIZE WHEEL, NAME AND MODEL OF CAR.

FOOTBALL ACCESSORIES

FOOTBALL BLADDERS

Rugby

Made of pure Para rubber, and will give most satisfactory results. See guarantee on page 432

Association

	For Rugby Balls.	Each
No. 5S.	For balls No. 50, 5M, 5S, 5H, 5F	$ .65
No. 5R.	For balls No. 5C, 5R, 5	.80
No. E5.	For ball No. E5	1.00

	For Association Balls	Each
No. 5B.	For balls No. XA, 50X, 5X, 5D	$ .65
No. 5A.	For balls No. 5B, 5A	.80
No. E5A.	For balls No. E5A	1.00
No. OA.	For balls No. G	1.00

PROTECTION PADS

Shoulder

Attachable to any part of the jersey, but specially adapted to the shoulder or elbow. Well padded and a great protection.

No. LE.	Elbow pad, leather covered	Pair $ .60
No. CE.	Elbow pad, canvas covered	Pair .50
No. LS.	Shoulder pad, leather covered	Pair .60
No. CS.	Shoulder pad, canvas covered	Pair .50

List of other pads sent upon request.

FOOTBALL INFLATORS

Club size. Made of polished brass, nickel plated. Cylinder 10x1½ in.
No. 2..... $ .50 Delivered $ .60

Pocket size. The cylinder is made of seamless brass tubing. It has a specially designed handle and check valve. Cylinder 12¾x⅞ in.
No. 1R. Large pocket size..... $ .35
No. 1. Small Pocket size 5½x⅞ in. .25

LACING AND NEEDLES

No. L.	Leather lacing for any rugby or association ball	Each $ .10
No. 1.	Lacing needle	Each .05
No. 2.	Lacing needle with handle	Each .10

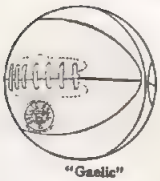
MORRILL NOSE MASKS

Morrill's nose mask is made of finest rubber, and no wire or metal is used in its construction. It has become a necessity on every football team, and affords absolute protection to the nose and teeth. All football players use them.

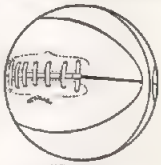
No. O.	Men's, with adjustable mouth piece	$ .50
No. OB.	Boys', with adjustable mouth piece	.50
No. 1.	Men's, regular style	.50
No. AO.	Extra mouth piece for No. O masks	.25
No. AB.	Extra mouth piece for No. OB masks	.25

Delivery Prepaid in U. S. if Cash is Sent With Order at Above Prices

REACH ROUND FOOTBALLS



"Gaelic"



"Soccer"

Youths' Association

"GAELIC" BALL

Made of selected Tuf-ide leather in eight sections. Every care taken to make it perfect in every way. Guaranteed perfect shape. Packed complete with extra heavy pure rubber bladder, lacing needle and leather lace.

No. G. Official Gaelic.....$5.00

THE "OFFICIAL SOCCER" BALL

Made of selected "Tuf-ide" grain leather on the latest and official pattern. Every care taken to make it perfect in every way. Guaranteed perfect shape. Put up complete with special pure rubber bladder, needle and leather lace.

No. E5A. Official Soccer ball.....$5.00

No. 5B. Soccer, pebble grain cowhide leather, a good amateur ball.....3.50

"MATCH ASSOCIATION" FOOTBALL

A fine serviceable association ball with a cover made of pebble grain cowhide, eight sections pattern. The bladder is made of heavy pure Para rubber, and a lacing needle and leather lace is furnished with each ball.

No. 5A. Match Association ball.....$4.00

THE "ASSOCIATION" FOOTBALL

Made of heavy pebble grain leather in eight sections, extra strong. Put up complete with pure rubber bladder, lacing needle and leather lace.

No. 5D. Standard Association, a good practice ball.....$2.50

"AMATEUR" ASSOCIATION FOOTBALL

Made of finest pebble grain sheep-skin leather in eight sections. Canvas lined and guaranteed to hold their shape. Complete with bladder and lace.

No. 5X. Regulation size.....$2.00

"YOUTHS' ASSOCIATION" FOOTBALL

Made of fine brown pebble grain sheep-skin leather, canvas lined and guaranteed to hold their shape. Complete with bladder and lace.

No. 50X. Medium size.....$1.50

"SPECIAL" ASSOCIATION FOOTBALL

Made of brown tanned leather, canvas lined. Complete with bladder.

No. XA. Size a little smaller than No. 50X.....$1.00

ALL RUBBER FOOTBALLS—BLACK

These footballs are made of best quality of rubber. They are reinforced on seams and will stand much hard usage. Each ball furnished with a brass key for inflating.

No. 1.	6 inch..Ea.	$ .50	No. 5.	10 inch..Ea.	$ .90
No. 2.	7 inch..Ea.	.60	No. 6.	11 inch..Ea.	1.00
No. 3.	8 inch..Ea.	.70	No. KI.	Extra keys Ea.	.05
No. 4.	9 inch..Ea.	.80	No. VI.	Extra valves Ea.	.05

Delivery Prepaid in U. S. if Cash is Sent with Order at Above Prices

FOOT BALL GOODS.

"REV-O-NOC" HEAD HARNESS.

No 641L.

No. 3

No. 641L REV-O-NOC—Black pliable leather, leather ear guards, padded with best quality white felt, has rear extension covering base of brain, per dozen ..... BEBJ $42 00

No. 3 REV-O-NOC—Strong pliable tan leather, crown and sides felt padded, well ventilated, leather ears, per dozen ..... AJRJ 18.00

ONE IN A BOX.

NOSE GUARDS.

No. 1—MORRILL, hardened rubber, per dozen ..... DCJ $7.20

ONE IN A BOX

SHOULDER PADS.

No. 5—Napa tan leather, felt padded per dozen pairs ..... BJJ $8 30

No. 4—Khaki duck, padded, per dozen pairs ..... BDJ 4.00

Edges left so it can be attached to Jersey.

ELBOW PADS.

No. 5—Napa tan leather, felt padded, per dozen pairs ..... BJJ $8.30

No. 3—Khaki duck, padded, per dozen pairs ..... BDJ 4.00

Edges left so it can be attached to Jersey.

"REV-O-NOC" SHIN GUARDS.

Nos. 1 and 3. Nos. 4 and 5.

No. 1 REV-O-NOC—Black leather front, leather bound rattan reeds, with continuous strap on outside of guard encircling leg, making guard more secure, 12 in. ..... per dozen pairs JPJ $15.00

No. 3 REV-O-NOC—Heavy tan color canvas, leather bound rattan reeds, with continuous strap on outside of guard encircling leg, making guard more secure, 12 in. ..... per dozen pairs JFDJ 10.70

No. 4 REV-O-NOC Tan color canvas, fabric bound, rattan reeds, 12 in., per dozen pairs ..... DHJ 10 00

No. 5 REV-O-NOC—Khaki, tan color, tape strap on outside of guard encircling leg, making guard more secure, 10 in., per dozen pairs ..... DHJ 8.00

SUPPORTERS.

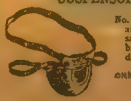
No. 561S.

No. 561S—Elastic throughout, except balbriggan fore-piece, sizes small, medium and large. ..... per dozen EDJ $9 00

In ordering, give waist measurement.

ONE IN A PASTEBOARD BOX.

SUSPENSORIES.



No. 320—Army and navy, jute sack, elastic band, per dozen ... CFJ $6.00

ONE IN A PASTEBOARD BOX.

"REV-O-NOC" FOOT BALL PANTS.

No. 23 REV-O-NOC—Genuine army khaki cloth, heavily padded, full quilted, cadet trips... per dozen pairs BAPJ $36.00

AVERAGE WT PER DOZEN PAIRS 34 LBS.

No. 23. No. 21.

No. 23 REV-O-NOC—Medium grade khaki, tan color, full quilted per dozen pairs JBJ $18 00

No. 21 REV-O-NOC—Good quality canvas, tan, duck, padded and quilted, per dozen pairs..... JQBJ 12.00

AVERAGE WT PER DOZEN PAIRS 24 LBS.

"REV-O-NOC" FOOT BALL JACKETS.

No. 2 REV-O-NOC—Khaki, best quality, extra heavy tan duck, sleeveless, per dozen ..... EDJ $9.00

No. 1 REV-O-NOC—Good quality extra heavy tan only, sleeveless... per dozen DCJ 7 00

WRITE FOR SPECIAL CATALOGUE AND PRICES ON GYMNASIUM SUPPLIES.

FOOT BALL GOODS.

RUGBY FOOT BALL.

No. R—"Official," guaranteed perfect shape and official regulation size, made from selected imported English pebbled grain leather, sewed with heavy linen thread, packed one in a box, with pure gum ball bladder, inflater, rawhide lace and lacing needle, per dozen ..... **EDJJ** $84.00

Each ball is made to gauge carefully inspected and measured so that it is absolutely correct in shape, style, quality and finish, guaranteed.

is the very best.

RUGBY FOOT BALLS.

No. 8-S—Finest quality American grain leather, lined with heavy canvas, sewed with heavy linen thread, each ball made to gauge and carefully inspected, packed one in a box with rawhide lace, lacing needle and bladder, per dozen **BCJE** $38.40

No. 12—American grain leather, lined with heavy canvas, sewed with linen thread, made to gauge and carefully inspected, packed one in a box with rawhide lace and bladder, per dozen ..... **BJAE** $33.60

No. 15-S—Selected pebble sheep leather, lined with good quality of canvas, packed one in a box with lace and bladder, per dozen **AAEJ** $19.20

No. 14-S—Same as No. 15-S, only trifle smaller..per dozen **JICE** $15.60

FOOT BALLS.

No. 9-S—Best quality selected, specially tanned American leather, pebble grain, canvas lined, linen thread sewed, perfect shape and regulation size, w't per doz. 8¼ lbs., per dozen ..... **CBDJ** $54.00

No. 16-S—Selected, best quality heavy weight pebble grain leather, canvas lined, linen thread sewed, perfect shape, regulation size, w't per doz. 6¼ lbs., per dozen **ADDJ** $24.00

ONE IN A BOX.

ASSOCIATION FOOT BALLS.

No. A—"Official, guaranteed perfect shape and official regulation size, made from highest grade selected imported English pebbled grain leather, sewed with eight-cord heavy linen thread, packed one in a box, with pure gum ball bladded, inflator, raw hide lace and lacing needle, per dozen ..... **EDJJ** $90.00

is the very best.

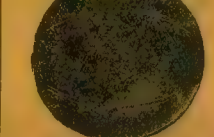
ASSOCIATION FOOT BALLS.

No. 17-AS—Fine quality American pebbled grain leather, lined with heavy canvas, sewed with eight-cord heavy linen thread, each ball made to gauge, carefully inspected, packed one in a box with rawhide lace, lacing needle and bladder, per dozen ..... **CFJJ** $60.00

No. 16-AS—Selected American pebbled grain leather, lined with heavy canvas, sewed with six-cord linen thread, each ball is made to gauge and carefully inspected, packed one in a box with rawhide lace and bladder .....per dozen **CJBE** $50.40

No. 15-AS—Selected pebbled sheep leather, lined with good quality canvas, made to gauge and carefully inspected, packed one in a box with lace and bladder, per dozen .....**AEAJ** $25.20

RUBBER FOOT BALLS.



American Black Rubber.

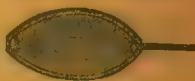
Nos.	1-F	2-F	3-F	4-F
Circum., in.	20	21	24	26
Per d zen	$7.80	9.60	10.80	12.00
	DEJ	EDJ	JFDJ	JGBJ

Extra Keys .....per dozen **CF** $1.00

RUGBY BLADDERS.

No. 4—Best quality pure gum rubber, size 4.....per dozen **DEJ** $7.80
No. 2—Best quality pure gum rubber, size 5 ..... per dozen **EGJ** $9.50

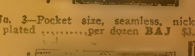
ASSOCIATION BLADDERS.



No. 5—Best quality pure gum rubber, size 5 .....per dozen **JGBJ** $12.00

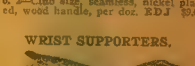
INFLATORS.

No. 3—Pocket size, seamless, nickel plated .....per dozen **BAJ** $3.50



No. 2—Club size, seamless, nickel plated, wood handle, per doz. **EDJ** $9.00

WRIST SUPPORTERS.

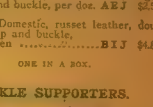


No. 100—Domestic, russet leather, single strap and buckle, per doz. **AEJ** $2.50

No. 102—Domestic, russet leather, double strap and buckle, per dozen .....**BIJ** $4.80

ONE IN A BOX.

ANKLE SUPPORTERS.



No. 300—Sheepskin, a perfect support for the ankle, per doz. prs. **EIJ** $9.00

No. 200—Soft tanned calfskin leather, otherwise same as No. 300, per dozen pairs .....**JGJ** $12.80

ONE PAIR IN A BOX.

BICYCLE LIGHTING OUTFITS

For Bicycles, Motorcycles, Automobiles and Boats. They Operate on Regular 6 inch Round Dry Cell Batteries, Illuminating the Road Ahead Like Big Automobile Head Lights, Throwing a Strong, Steady Light from 200 to 300 feet. Made of Highest Quality Materials; Very Effective and Lasting Quality, Easily Attached to Any Bicycle Frame

DELTA

Cold Rolled Steel Battery Case 2⅝ inches Long 2⅞ inches in Diameter, Black Gloss Baked Enamel Finish. Complete with Clamps for Fastening to Top Bar of Bicycle. Drawn Steel Headlight, Black Gloss Baked Enamel Finish with Silver Plated Reflector and Ground Polished Lens. Diameter of Lens 2½ inches. Special Tungsten Wire Bulb about Two Candle Power. Two Conductor Wires with Plain Battery Connector at One End and Plug Terminals on other End. Plug Terminals are inserted in Back of Head Light and Held in Place by Split Binding Post, also Brass Screw at Top of Head Light for Turning Light On and Off.

Per Dozen

No. 5 Without Battery; Weight Each 1⅛ lbs.; Weight per Dozen ... lbs. $25 00

Twelfth Dozen in a Carton

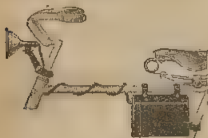
OLD SOL

Cold Rolled Steel Battery Case 3⅛x5⅛x3 inches, Black Gloss Baked Enamel Finish; Complete with Clamps and Strap for Fastening to Bicycle Frame, Drawn Brass Head Light, Highly Nickel Plated and Polished, Nickel Plated and Polished Reflector with Special Glass Lens, Diameter of Lens 4¼ inches, Special Tungsten Bulb about Four Candle Power. Two Conductor Wires with Plain Battery Connectors at one End and Special Edi-Swan Connecting Socket Switch at other End for Turning Light on or off. This Type of Plug is Held Firmly Together by means of a Spring which Positively Prevents them from Working Loose.

Per Dozen

No. 53—Without Batteries; Weight Each 2 lbs.; Weight per Dozen 26 lbs. $42 00

Twelfth Dozen in a Carton



VICTOR

Cold Rolled Steel Battery Case 7⅛x...x2⅝ inches; Black Baked Enamel Finish, Complete with Straps and Clamps for Fastening to Top Bar of Bicycle. Drawn Brass Head Light Highly Nickel Plated and Polished. Special Glass Lens 3½ inches in Diameter. Special Tungsten Wire Bulb About Three Candle Power. Two Silk Covered Conductor Wires with Plain Battery Connector at One End and Edi-Swan Connecting Socket Switch at Other End for Turning Light On and Off. Plug is Held Securely by Spring and Positively will not work Loose.

Per Dozen

No. 9—Without Batteries, weight each 1½ lbs.; Weight per Dozen 18 lbs. $27 00

COMBINATION HAND AND BICYCLE LAMP

Designed for use as a Hand Lamp or a Bicycle Lamp, each Lamp comes Equipped with a Hand Bracket and also a Bracket to be Attached to the ... of the Bicycle or Motorcycle. Produces a Powerful Light and Eliminates all the Troubles of an Oil or Carbide Lamp. Mechanically Perfect and Thoroughly Well Made, Producing a Striking and ... Appearance. Stamped Steel Case, Black Japanned, Nickel Plated Trimmings, Nickel Plated Stamped Steel Lamp Bracket. Provided with ... Screw to Secure Permanent Light. Extra Large Convex Ground Lens.

Per 100

No. 60—Size of Case 4⅛x2⅝x1 inch; 2½ inch Lens, 3½ Volt Lamp; Takes 60 B Battery and No. ... Lamp; Weight per Hundred 58 lbs. $192 00

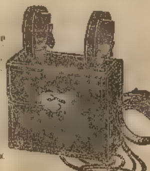
BICYCLE OR MOTORCYCLE LAMPS

Suitable for the Rider who Desires a Bicycle or Motorcycle Lamp of High Candle Power, Mechanically Perfect and Thoroughly Well Made. The Well Proportioned Body gives a Very Pleasing and Symmetrical Appearance. Equipped with a Russet Leather Battery Holder and Connecting Wire with Plug in Without Battery.

Finely Finished Black Japanned Stamped ... Case, Plated Aluminum Reflector, Nickel Plated Brass Rim, Stamped ... Bracket. Diameter of Case 6 inches, ... 3 inch Finely Ground Convex Lens. Provided with ... to Secure Permanent Light.

Per 100

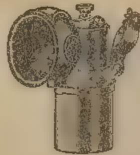
No. 70—3½ Volt Lamp; Takes No. 70B Battery and No. 1193 Bulb; Weight per Hundred 90 lbs. $456 00



BICYCLE LAMPS

GAS

OLD SOL



The "Old Sol" is Symmetrical and Pleasing in Appearance. The Sloping Rounded Hood and Well Protected Body Give it Distinction.

Finely Nickel Plated on Heavy Brass.

Front Glass is a Double Convex Lens 2½ in. in Diameter. Has Sifting Carbide Basket.

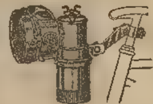
Will Burn 6 to 7 Hours on One Charge of Carbide and Furnish a Light of About 100 Candle Power.

Each

No. 19—With Bracket, height Over All 6⅝ in.; Diameter of Door 4 in.; Diameter of Reflector 3 inches; Carbide Capacity 5 oz.; Weight Each 3½ lbs. $3 50

One in a Box

A Large Handsome Bicycle Lamp suitable for the Rider who wishes a Bicycle Lamp of High Candle Power; mechanically perfect and thoroughly well made from heavy gauge sheet brass. Nickel Plated and Polished. Burns about 7 hours on one charge of Carbide and gives a Light of about 100 Candle Power.



Each

No. 8B—With Bracket; Height Over All 7 inches, Diameter of Door 4 in., Diameter of Reflector 3 in.; Carbide Capacity 6 oz., Weight 3 lbs. $4.50

SOLAR MODEL S

With Fork or Head Bracket

Solar Lamps are Popular Favorites, being Handsome in Design and Finish, Mechanically Perfect and Thoroughly Well Made from Heavy Gauge Sheet Brass, Nickel Plated and Polished. Height 7 inches; Double Convex 2½ inch Lens; ... inch Red and Green Jewel Side Lights; Carbide Pot with Capacity of 3 ounces of Carbide and ... pint of Water; Sufficient to Burn 6 hours.

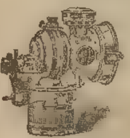
Per Dozen

No. 10SG—With Fork Bracket; Weight each 2¼ lbs. $50 40

No. 10SDG—With Dash Bracket; Weight each 2¼ lbs. 50 40

One in a Box

20TH CENTURY



20th Century Lamps are Well Known, and Have Proven their Durability. The Lamp Proper is Made of Heavy Sheet Brass and the Clamp of Steel. Both Fully Nickel Plated and Polished. New Patent Door Latch securely holds the Door from Swinging Open at all Times. New Enameled Carbide Cup Chamber has no Screw Threads to become Corroded by the Action of the Carbide. A Simple Turn Removes the Carbide Chamber, but when attached is absolutely secure and Gas Tight. Height 7 inches, 2½ inch Convex Lens. Red and Green Side Jewels. Parabolic Reflector. Capacity for Enough Carbide and Water to Burn 5 to 6 hours.

Each

No. 20CG—Weight Each 1½ lbs. $3 70

One in a Box

Water Tank and Carbide Chamber Nickel Plated Steel; 3 inch Aluminum Reflector; Brass Trimmings; Best Lava Tip; Plain Glass Front.

Each

No. 116—Height 5½ inches; 4 in. Front; Carbide Capacity 3 ozs., Will Burn about Five Hours without Recharging; Weight Each ... lb. $3 00

One in a Box

COLUMBIA

Columbia Lamps have Proven Very Popular being Made of Heavy Sheet Brass, Nickel Plated. Clamps being Steel. Automatic Water Feed and Special Design Gas Valve, Regulating ... of ... Height 6½ in. ... Adjustable ... Lens, Red and Green Side Jewels, Capacity to Burn about 6 hours.

Each

No. 16AC—Weight Each 2 lbs. $4 50

SEARCH LIGHT

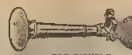
Search Light Lamps are Exceedingly Popular and Satisfactory, having been on the Market for a Long Time. Heavy Sheet Brass, Nickel Plated and Polished; Height 8 in. 2½ inch Double Convex Lens. Red and Green Side Jewels. Has Carbide and Water Capacity Sufficient to Burn 6 hours.

Each

No. 255LG—Weight Each 2 lbs. $3.70

One in a Box

HORNS



FOR BICYCLE

Each

No. 3H1—Bell 2½ inches in Diameter, Nickel Plated over Spun Brass, Metal Reed. Length Over All 5½ inches, Diameter of Bulb 2½ inches. Weight 6 ounces. Packed one dozen in a Box. $3.60

FOR MOTORCYCLE

No. 2M5—Bell 2½ inches in Diameter, Nickel Plated over Spun Brass, Metal Reed. Length Over All 9½ inches. Diameter of Bulb 3¼ inches. Weight 1 pound. Packed in a Box 1 70

MOTORCYCLE

Spun Brass Bell, Tube and Bow Highly Polished, Metal Reed, Solenoid Tone Effect.

No. 4—4 inch Bell. Length over All 12 inches. Diameter of Bell 3 inches. Weight 2 lbs. $5 00

One in a Box.

KLAXON HAND OPERATED

The Hand Klaxon operates on the Klaxon Principle of a Steel Diaphragm set in Violent Vibration by a Toothed Wheel. The Wheel is Rotated by a train of Gears that attain High Speed under Pressure on the Push Rod. The Hand Klaxon has the true Klaxon Warning Note and is sold under the Regular Klaxon Guarantee. The Finish and Workmanship on this Horn is identical with that on the Electric Klaxons.

FOR MOTORCYCLES

Each

No. 3HMN—Black Enameled and Nickeled with Handle Bar Clamp. $12 30 7 50

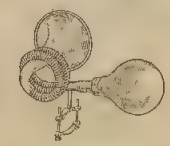
One in a Box, Weight 5 lbs.

MOTORCYCLE

Each

No. 20—Bell and Bend Nickel Plated over Spun Brass, Diameter of Bell 3½ inches. Length Over All 7½ inches. Metal Reed. Diameter of Bulb 4 inches. Weight 8 ozs. $2 00

One in a Box.



MOTORCYCLE

Each

No. 53—Spun Brass Bell, Non-Flexible Brass Bender, Diameter of Bell 4½ inches. Length over all 10½ inches. Diameter of Bulb 3½ inches. Weight 1½ lbs. $5 50

One in a Box.

HORN BULBS

Solid Rubber Polished Brass Connecting Tubes.

The No. 12 Ford Bulb comes with Extra Male Nipple so it will fit Ford Horn Mouth.

Nos.	9	8	12	15
Diameter of Bulb, in.	2½	3	3½	4
Length of Bulb, in.	4	4	4	4
Weight Dozen Pairs	2½	3¼	7½	7½
Per Dozen	$1 50	$ 60	10 60	12 00

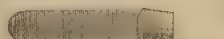
Each

HORN REEDS

Brass Frames, Special Copper Alloy Vibrator

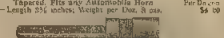
Reeds Securely Soldered

Nos.	16071	16075	16094
Length, Inches	3	2½	2½
Inside Frame, Size	31/64 x 1 29	4	5/64
Weight Dozen, ozs.	4	4	5
Per Dozen	$2.00	2.40	3.20



Tapered, Fits any Automobile Horn. Per Dozen

No. 12075—Length 3½ inches, Weight per Doz. 8 ozs. $2 00



Per Dozen

No. 12805—With Threaded Ferrule to Screw on any Standard Threaded Horn End. Length 3½ inches, Weight per Dozen 16 ozs. $2 00

Each.

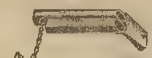
BICYCLE CALLS

ECHO

Per Dozen

No. 60—Brass Bell, Nickel Plated and Polished, Nickeled and Polished Striking Pendulum, Length Over All 3½ inches, Weight per Dozen 8 ozs. $4 00

One Dozen in a Box



UNIVERSAL

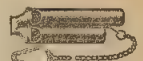
Drawn Brass Flat Mouth Piece, Nickeled and Polished Striking Pendulum. Per Dozen

No. U50—3 inch Wire per Dozen 3 ozs. $ 60

No. U30—3½ inch Wire per Dozen 3 ozs. 1 00

No. U50—3½ inch Wire per Dozen 5 ozs. 1 50

One Dozen in a Box



DUPLEX

Per Dozen

No. 60—Drawn Brass, Nickeled and Polished with Chain Length of Call 3½ inches. Weight per Dozen 16 ozs. $3 60

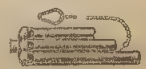
One Dozen in a Box

Drawn Brass Flat Mouth Piece; Nickel Plated and Polished. Length Over All 2½ inches. Per Dozen

No. 50—Without Chain. Weight per Dozen 4 ozs. $1 00

No. 52—With 12 Inch Chain and Button Fastener Attached. Weight per Dozen 8 ozs. 1 20

One Dozen in a Box



Per Dozen

No. 75—Triplex Drawn Brass, Nickel Plated and Polished. 16 inch Chain and Button Fastener Attached. Three Tubes. Length over All 3 inches, Width 2 inches, Weight per Dozen 2½ lbs. 2 00

AMMONIA GUNS

Per Dozen

Wizard Substitutes Made. No Danger of Leaks. Good Trigger. Nickel Plated. Length 8 inches. Weight per Dozen 6 lbs. $2 00

One Dozen in a Box

Per Dozen

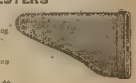
No. LNA Imitates to the eye Iron by Nickel Plated. Length 8 inches. Weight per Doz. 13 lbs. $3 00

Per Dozen

No. 65—Nickel Plated and Polished Barrel, Rubber Bulb, to Contain Ammonia. Length Over All 10 inches. Weight per Dozen 2 lbs. $1 50

One Dozen in a Box. One Dozen in a Carton

HOLSTERS



SOFT BLACK RUBBER. Specially Adapted for Carrying Ammonia Guns Without Clasp, to Carry in Pocket

Per Dozen

No. 1 3½ in. Wide, Weight per Dozen $5 00

One Dozen in a Box

RUBBER BULBS FOR AMMONIA GUNS

Made of Best Quality Pure Black Rubber with Pure Rubber Tubes

SON OF A GUN

Per Dozen

No. 1B—Weight per Dozen 4 ozs. $2 00

U. S. A.

Per Dozen

No. UB—Weight per Dozen 4 ozs. $2 00

WIZARD

Per Dozen

No. WB—Weight per Dozen 4 ozs. $2 00

BICYCLE BELLS

*RUGBY

Rugby Bicycle Bells are Noted for their Clear, Loud-Sounding Tones, are Heavily Nickel Plated Packed in Attractive Packages

Per Dozen
No. 438AT—2¼ Inch Continuous Ringing Push Button Pattern; Bell Metal Gong, American Flag Enameled in Colors on Top; Nickel Plated, Adjustable Clamp; Weight per Dozen 4 lbs. $10.08
One Dozen in a Box

Per Dozen
No. 48FT—2¼ Inch, Rotary Electric Strokes; Bell Metal Gong; American Flag Enameled in Colors on Top; Nickel Plated, Adjustable Clamp; Weight per Dozen 4 lbs. $5.00
One Dozen in a Box

Per Dozen
No. L5—2¼ Inch, Rotary Electric Strokes; Bell Metal Gong; Fancy Ornamental Top; Nickel Plated, Adjustable Clamp; Weight per Dozen 4¼ lbs. $5.00
Half Dozen in a Box

Per Dozen
No. 27—2¼ Inch; Rotary Electric Strokes; Steel Gong; Nickel Plated; Adjustable Clamp; Weight per Dozen 3¾ lbs. $5.00
One Dozen in a Box

Per Dozen
No. 25—2¼ Inch Double Stroke with Chime Effect; Steel Gong; Nickel Plated; Adjustable Clamp; Weight per Dozen 4 lbs. $4.00
Half Dozen in a Box

Per Dozen
BRONZO—3 Inch, Double Stroke Bell Metal Gong; Nickel Plated; Adjustable Clamp; Weight per Dozen 7½ lbs. $12 00
Half Dozen in a Box

Per Dozen
No. C38—2¾ Inch Continuous Ringing Gatling Chime Effect; Bell Metal Gong, which Produces a Continuous Multitoned Loud and Penetrating Ring; Nickel Plated, Adjustable Clamp; Mechanism Simple, Strong and Sure; Weight per Dozen 7½ lbs. $20 00
One in a Box; Half Dozen in a Carton

Per Dozen
No. 100—3½ Inch Continuous Ringing Rotary Electric Chimes One Gong Bell Metal, One Steel. This Combination of Gongs Produces a Beautiful Tone Effect. Nickel Plated; Adjustable Clamp; Weight per Dozen 6¾ lbs. $8.50
One in a Box; Half Dozen in a Carton

MOSSBERG

For Attaching to Handle Bar

Per Dozen
No. 16—Cuckoo; Double Stroke Toned to Resemble a Cuckoo; Weight per Dozen 4½ lbs. $5.60
Twelve Dozen in a Box

"DIAMOND EDGE IS A QUALITY PLEDGE"

BICYCLE BELLS

BOY SCOUT

Per Dozen
No. 35—2½ inches, Rotary Electric Strokes; Bell Metal Gong; Boy Scout in Panel Colors on Top; Nickel Plated, Adjustable Clamp. Weight per Dozen 4 lbs. $5.00
One in a Box, One Dozen in a Carton

NO AN

Per Dozen
No. 37—2½ inches Rotary Electric Strokes; Bell Metal Gong; Indian Head in Panel Colors on Top; Nickel Plated, Adjustable Clamp. Weight per Dozen 4 lbs. $5.00

BICYCLE BELL DISPLAY STANDS

*RUGBY

More Bells will be Sold with the aid of this Stand. This Stand is the Best and most Durable Device for the proper Display of Bicycle Bells.

NOTE—This Display Stand is not Sold, but is given Free of any Charge with an Order for Four (4) Dozen Assorted Bicycle Bells shown in our Catalog; Bells may be Assorted to suit Purchaser.

"ORIGINATED BY US"

Made of Turned Hardwood; Spindles are ⅝ Inches in Diameter; Base Pieces 8 Inch Diameter, Walnut Stained; Height 18½ Inches; Width 16 Inches, Base Pieces 8½ Inches Long.

TIRE BELLS

START BE OH ME

A bell to be Found Pon the Handle by pulling the Chain running from the Handle to Rear the Bell to be Struck Straight in Front with the Hammer to be Double Clapper to Revolve, with a Medium & Low Clear and Harmonious Tone.

Per Dozen
No. 26—Nickel Plated, Diameter of Gong 2 In; Length over all 9½ In; Weight per Dozen 12 lbs. $11.00
Twelve Dozen in a Box

MOSSBERG

Mossberg Bells are noted for their Loud, Clear and Harmonious Tones, which are due to the Specially Compounded Metal used in the Gongs 2½ Inch Nickel Plated Gongs Complete with Clamps.

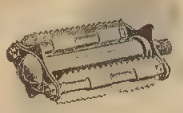
Per Dozen
No. 2—Gong: Produces a Single Clear and Loud Sustained Tone Weight per Dozen 6 lbs. $9.00
Twelve Dozen in a Box.

SIREN HORNS

SCREECH OWL

Each
No. 80—Size of Case 8x5 inches Nickel Plated, Hard Rod Fiber Rollers Complete with Clamps 22 inch Casing Weight 1 lb. $1 50
One in a Box

BICYCLE PEDALS



REX

Per Pair

Rex—Nickel Plated Steel, Ball Bearings at Both Ends, ½ inch Pin, No. 20 Thread, Dust Proof Cap, Corrugated Side Tops; Weight per Pair 2 lbs. ... $0.60

One Pair in a Box

IDEAL

Per Pair

Ideal—Nickel Plated Steel, Ball Bearings at Both Ends; Square Checkered Rubbers, ½ inch Pin; No. 20 Thread Dust Proof Cap; Weight per Pair 2 lbs. ... $1.50

One Pair in a Box

BRIDGEPORT

Per Pair

Nickel Plated Steel, Ball Bearings at each End, Hardened Cones and Legs, ½ inch Pin, No. 20 Thread, Corrugated Side Tops, Slotted Cap.

Per Pair

No. 55—Hat Trap; 1 ½ inch Sides; Weight per Pair 1 lb. ... $1.50

No. 201—Combination with Pedal Rubbers Otherwise same as No. 55; Weight per Pair 1 lb. ... 1.70

One Pair in a Box

EXTRA PEDAL PINS

Each

No. 8—Extra Pins for Rex and Ideal Pedals, Right and Left Hand, Weight per Pair 10 ozs. ... $0.30

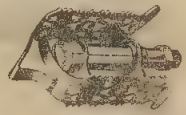
BRIDGEPORT COMPETITION

A Wet Made Pedal at a Moderate Price

Per Pair

No. BC—Rat Traps; Nickel Plated Steel; Ball Bearings, Weight per Pair 1 lb. ... $1.00

One Pair in a Box



BRIDGEPORT

Per Pair

No. 55—Rat Traps; Nickel Plated Steel Ball Bearings at each End, Specially Hardened Cones and Legs, ½ inch Pin, No. 20 Thread, Corrugated Side Tops, 1 ½ inch Sides; Weight per Pair 1 lb. ... $1.50

One Pair in a Box

JUVENILE

JM

RUBBER JUVENILE

Per Pair

JM—Nickel Plated Steel; Ball Bearings at Both Ends, Square Checkered Rubbers, ½ in Pin No. 20, Thread Dust Proof Cap; Weight per Pair 1½ lbs. ... $1.60

One Pair in a Box

STAR JUVENILE

Nickel Plated Steel, Ball Bearings at Each End Hardened Cones and Caps, ½ Inch Pin No. 20 Thread, Corrugated Side Tops, Slotted Cap; 1¾ inch Sides.

Per Pair

No. 23—Boys Rat Trap; Weight per Pair 14 ozs. ... $1.10

No. 13—Girls Combination with Pedal Rubbers, otherwise same as No. 11; Wt. per Pair 17 ozs. ... 1.80

One Pair in a Box

MOTORCYCLE PEDALS

QUICK REPAIR PEDAL WITH KNOCKOUT PIN

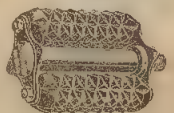
The Object of this Knockout Pin is to be Able to Put a new Pin into the Pedal before you take the Pedal on the Pin. This Saves You the Trouble of Pulling the Pedal Pin and the Crank with the Pedal Attached. The Advantage is Always the Same, and all you have to do is Simply Tighten up a Lock Nut which does the work.

Per Pair

No. KO—Heavy Square Checkered Rubber 1 inch Square, is like Brothers of Each End, Inch Pins No. 20 Thread, Dust Proof Cap, Nickel Plated Frame; Weight per Pair 2½ lbs. ... $2.90

One Pair in a Box

No. 7—Extra Pins for Above Pedals, Right or Left; Weight per Pair ... .30



STANDARD MOTORCYCLE

Per Pair

No. MS—Heavy Square Checkered Rubbers, 1 inch Square; Ball Bearings at Each End; ½ inch Pin, No. 20 Thread, Dust Proof Cap, Nickel Plated Frame; Weight per Pair ... $2.20

One Pair in a Box

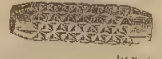
No. 3—Heavy Rubbers, 1 inch Square; Ball Bearings at Each End; ½ inch Pins, No. 20 Thread, Dust Proof Caps, Nickel Plated Frame; Weight per Pair ... $3.00

One Pair in a Box

No. 4—Extra Pins for Above Pedals; Weight per Pair .5 ozs. ... .80

Each

PEDAL RUBBERS



No. MC1—Hard Black Rubber, Length 2 inches, Thickness ½ inch Square; ½ Square Hole Through Center; $2.60

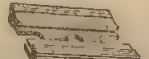
In Sets in a Carton; Carton Weighs 4 lbs.

Dozen Sets

No. RSS—Hard Black Rubber, Round Black Rubber, Length 2 inches Square Hole Through Center ... .60

Dozen Sets

Five Sets in a Carton; Carton Weighs 3 lbs.



Per Set of Four

No. 98A—Corrugated Rubber Straps for Automobile; Length 25½ inches, Fits over Trap Pedals from 2 to 2½ inches Wide; Weight per Set 3 ozs. ... $0.40

Twelve Sets in a Box

PEDAL CAPS

Nickel Plated Brass

Per Dozen

No. 1—Diameter 11/32 inch, for Bridgeport Pedals ... $1.00

No. 8—Diameter 1 inch for Motorcycle Pedals ... 1.60

TOE CLIPS

THERM ROAD

Per Dozen Pairs

No. 2R—Nickel Plated Steel; Tempered, Nickel Plated and Polished; Weights per Dozen Pairs 2¼ lbs. ... $1.70

Bottom View

IDEAL

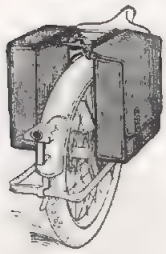
Side View

No. 206—Made of Russet Leather, Curved to Give Proper Shape; Adjustable to Any Sized Shoe; Length 12½ inches; Width 1¾ inches; Galvanized Steel Fasteners; Weight per Dozen Pairs 3 lbs. ... $7.00

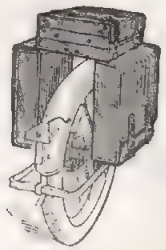
One Dozen Pairs in a Box

"DIAMOND EDGE IS A QUALITY PLEDGE"

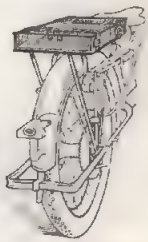
MOTORCYCLE PANNIERS AND CARRY-ALL



Panniers in Use
Fit all Motorcycles



Panniers and Carry-All
Fully Extended



Panniers Folded and
Packed in Carry-All

MOTORCYCLE PANNIERS

These pack bags or panniers are a great convenience when "trekking" with a motorcycle. By an ingenious arrangement of straps they can be attached to the carriers of all motorcycles. The bags are made of brown waterproof canvas 16 inches deep, 14 inches wide and 4 inches thick. The edges are bound and all straps are made of fatigo leather which will not become hard or crack. Two inside flaps, with a strap and buckle, are provided and the outside flap, inside of which is a large pocket, extends well over the pack. The attaching straps can be shifted in a lateral direction to provide for any variation in the style of the carrier, or supporting brace.

By the use of these panniers the weight of the duffle is brought well down, lowering the centre of gravity which tends to prevent skidding and the top of the carrier is left free for carrying additional luggage.

They may be used for innumerable purposes, by Tourists, Sportsmen, Salesmen, Messengers and Postmen on rural free delivery routes.

No **B10.** Motorcycle Panniers, Weight each 1¾ lbs. Each **$3 00** Per Pair **$6 00**

MOTORCYCLE CARRY-ALL

This Carry-All is attachable to the top of a Motorcycle luggage carrier and while of great capacity, it folds into a small space when not in use. It is 14 inches square and the extreme height is 7½ inches, but by an arrangement of welted seams and glove fasteners the height may be changed to 5 or 2½ inches or to the thickness of the material and still retain its neat, square appearance.

It is made of heavy brown waterproof canvas, and the corners and edges are strongly bound. There are two inside flaps with tapes to tie and the outside flap extends well over the pack when set at its extreme height or may be partly doubled back when a lower height is desired. There are two binding straps extending completely around the carry all and two straps and buckles conveniently arranged on the under side for attaching to the frame of the carrier.

The Carry All when used in connection with our Panniers makes an ideal touring outfit easily holding the contents of two 24 inch Suit Cases. When empty the two Panniers may be carried in the Carry-All occupying a space of 14 inches square by about 2½ inches high.

No **B15.** Motorcycle Carry All, Weight 1¾ lbs. . . . . Each **$3 50**

Delivery Prepaid in U. S. if Cash is Sent with Order at Above Prices

CAMP STOVES

Cooking by an open fire, while practical, has its drawbacks, especially in wet weather. A stove keeps the smoke out of your eyes, burns less wood and does better work than can be accomplished in any other way.

BOX STOVES

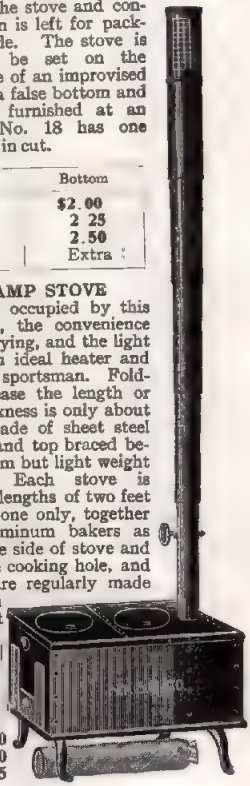
This stove is made of sheet steel, is light, durable and will burn green or dry wood. We furnish 10 feet of telescopic pipe and damper, which is carried in the stove and considerable room is left for packing other duffle. The stove is intended to be set on the ground, inside of an improvised sand box, or a false bottom and legs will be furnished at an extra cost. No. 18 has one cooking hole and No. 26 and 31 two holes as shown in cut.

No	Size, Inch	Weight	Stove	Bottom
18	10x12x18	14 lbs.	$4.50	$2.00
26	10x12x26	18 lbs.	5.00	2.25
31	10x12x31	20½ lbs.	5.50	2.50
B	Canvas Bag	1½ lbs.	1.00	Extra

Stove, Folded in Case

FOLDING CAMP STOVE

The small space occupied by this stove when folded, the convenience in packing and carrying, and the light weight makes it an ideal heater and cook stove for the sportsman. Folding does not increase the length or width and the thickness is only about one inch. It is made of sheet steel with wired edges, and top braced between holes and firm but light weight sheet steel lids. Each stove is supplied with five lengths of two feet each of telescopic pipe, occupying the room of one only, together with an adjustable spring damper. Our aluminum bakers as described on page 59 may be placed against the side of stove and will roast and bake perfectly. No. 18F has one cooking hole, and No. 26F and 31F two holes. These stoves are regularly made without a bottom, but we furnish a steel bottom with legs, as illustrated, if desired, at an extra cost



No.	Size Inch	Weight	Stove	Bottom
18F	10x12x18	15 lbs.	$5.00	$2.00
26F	10x12x26	19 lbs.	5.75	2.25
31F	10x12x31	21½ lbs.	6.25	2.50

No. C Canvas case for stove.....$1.00
No. P Canvas case for pipe..... .50
No. A Spark, arrester, as illustrated.... .75

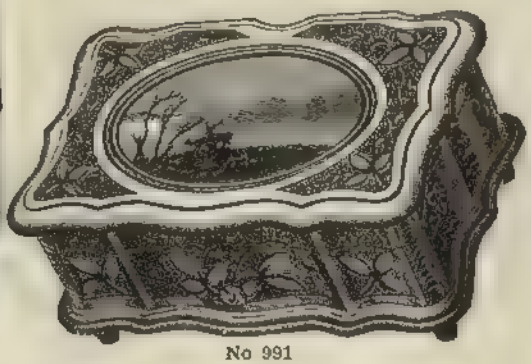
MUSICAL BOXES

No. 964

No. 963

Nos. 979-989

Nos. 992-994, Open View.



No 991

Nos. 971-965

CRANK MOVEMENTS.

No 958	1 Air, 12 teeth, round nickel case, chromo top	Each	$1.10
No. 959	1 Air, 18 teeth, round nickel case, chromo top	Each	1 40
No. 963	2 Airs, 18 teeth, oblong wood case, chromo top	Each	2 00
No 964	2 Airs, 36 teeth, large round nickel case, chromo top	Each	2 90
No. 971	3 Airs, 18 teeth, oblong wood case, chromo top	Each	2.40
No. 965	4 Airs, 36 teeth, wood case, chromo top, size 6⅛x4⅝x3⅞	Each	4 00

IMPROVED SPRING MOVEMENTS—WITH ATTACHED KEY.

No 979	Key Winding, 2 airs, 28 teeth, self-changing, 1⅝-inch cylinder, size 4½x3¼x2½, chromo top	Each	$4.00
No 980	2 Airs, 1½-inch cylinder, self-changing, wood case, chromo top, etc.	Each	5.35
No. 986	2 Airs, 36 teeth, 1⅝-inch cylinder, self-changing, chromo top, glass cover, size 4⅝x3⅛x2½	Each	6.00
No. 987	3 Airs, 36 teeth, 2½-inch cylinder, size 5¼x3⅝x2½, otherwise same as No. 986	Each	8 70
No 988	4 Airs 36 teeth, 2½-inch cylinder, size 5¼x3⅝x2½, otherwise same as No. 986	Each	10.00
No 989	6 Airs, 36 teeth, 3-inch cylinder, size 5¼x3⅝x2½, otherwise same as No. 986	Each	14.70
No. 991	4 Airs, 2¾-inch cylinder, self changing, wood case, Swiss carved, oil painted landscape on panel	Each	16 70
No. 992	3 Airs, 2¾-inch cylinder, self-changing, fancy wood case with metal bound top	Each	13 35
No. 993	4 Airs, 2¾-inch cylinder, self-changing, fancy wood case, with metal bound top	Each	15.35
No. 994	6 Airs, 3-inch cylinder, self-changing, fancy wood case, with metal bound top	Each	20.00

Nos. 9318-9319

Imitation Rosewood Cases, Decalcomanie Ornamented Top, Interior Glass Covers, Spring Lever Movements, Tune Dial, Ratchet Lever Winding.

No. 9250	6 Airs, 3¼-inch cylinder	Each	$21 70
No. 9254	8 Airs, 4½-inch cylinder	Each	25.35
No. 9256	10 Airs, 6½-inch cylinder	Each	33.35
No 9258	12 Airs, 8 -inch cylinder	Each	44.70

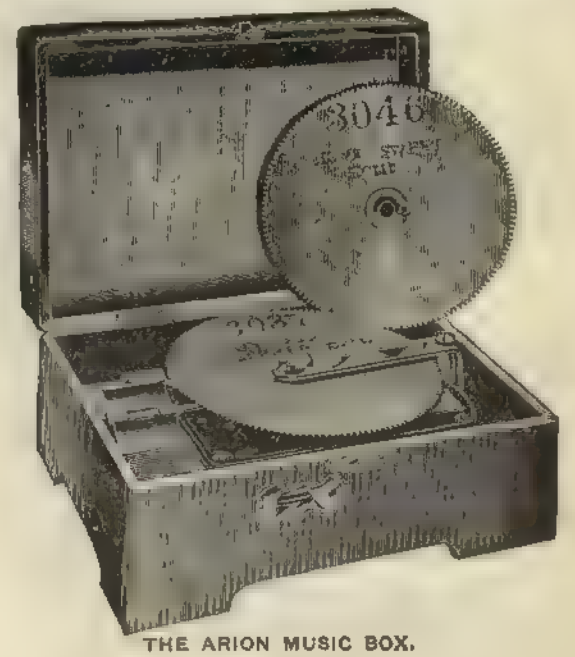
Cases with Rosewood Tops, Variegated Wood Inlaying, Interior Glass Covers, Nickel Plated Spring Lever Movements, Outside Crank Winding.

EACH WITH TUNE DIAL AND SAFETY CHECK.

No. 9318 12 Airs, 13-inch cylinder, tune skipper and speed regulator, case 11x27 inches.....Each $84.00

No. 9319 12 Airs, 13-inch cylinder, with Zither attachment, tune skipper and speed regulator, case 11x27 inches.....Each 87 20

A Zither-like tone is attained through the medium of the Zither attachment, which is an adjustable bar that may be detached at will.



THE ARION MUSIC BOX.

No. 9300

This instrument is particularly well made, and considering its size, its tone is powerful. As a premium, it is an ideal, nothing more likely to please can be named than the Arion Music Box. It is a self-playing, key-winding instrument. The case is made of natural white wood, and is handsomely finished, and has a chromo top. Size 8x5½x4 inches.

No. 9300 Price, including six tune sheets.....Each $13.35

MUSICAL TOYS AND NOVELTIES FOR CHILDREN

BAGPIPES

No.		Each
207	1 Chanter, 7⅛ in. long	$0.55
208	1 Drone and Chanter, 8 in long	$1.35
209	1 Drone and Chanter 9 in. long Large Bag	$2 10
210	3 Drones and Chanter, 9½ in. long. Large Bag	$2.60

TOY MUSIC BOXES

		Per Doz
200	Whirler, 4 Notes, Metal Reeds, Red, White and Blue Flag	$4 25
201	Round, Metal Case, with Crank, Small Size	$1.40
202	Round, Metal Case, Decorated Sides, with Crank, Medium Size	$2 50
203	Round, Metal Case, 7 Notes Decorated Sides, with Crank, Larger Size	$3.50
204	Round, Metal Case, 12 Notes, with Crank, Candy Compartment	$4 60
204½	Aeroplane, 15 Notes, 3 in high operated by whirling	$7 80

FLUTE HARMONICA

205	Round, Nickeled Case, 8 Notes, 4 Keys	$5 60

POP GUN

206	Wood, with 3 Reeds, 9 inches long	$3.20

REED CORNETS With Pistons

		Each
410	Heavy Brass, 4 Notes	$1.40
411	Heavy Brass, 6 Notes	$2.20
412	Heavy Brass, 8 Notes	$2 75

MANDOLIN

No.		Each
211	7 Ribs, Maple and Walnut Finish, 4 Strings, 17½ inches long	$2 60

ACCORDEONS

106	Ebonized Case, Gilt Corner Ornaments, Open Keyboard, 6 Nickeled Keys, 2 Long Basses	$1 90
108	Ebonized Case, Gilt Corner Ornaments, Open Keyboard, 8 Nickeled Keys, 2 Long Basses	2.10
110	Ebonized Case, Gilt Corner Ornaments, Open Keyboard, 10 Nickeled Keys, 2 Long Basses	2 40

HAND ORGANS — Steel Teeth

340	1 Air, Beech Case, Chromo Top, 7⅛ inches long	$3 30
360	2 Airs, Beech Case, Chromo Top, 9⅜ inches long	4 30

MUSICAL ANIMALS

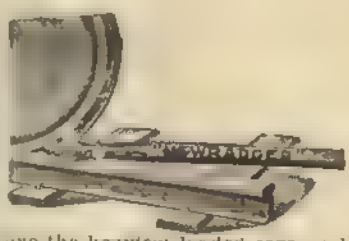
Correctly Modeled, Beautifully Made, with Music Box, Movement and Tail Crank

215	Elephant, 6 inches long, 1 Tune	$2 80
216	Elephant, 7½ inches long, 1 Tune	3 10
217	Pig, Felt Hide, Receptacle for Candy, 6½ inches long, 1 Tune	2 10
218	Pig, Real Hide and Hair Covering, 7½ inches long, 1 Tune	4 10
219	Pig, Real Hide and Hair Covering, 8 inches long, 1 Tune	4 60
220	Polar Bear, White Wool Covering, 8 inches long, 1 Air	3 00
221	Russian Bear, Brown Wool Covering, 7 inches long, 1 Air	3 10

CAR MOVERS

NEW BADGER

Bottom View.



The "New Badger" is made "Slip-Proof" by Double Concave Never-Slip Spurs, which grip the very corners of the rail—where it is soft—and when pressure is brought to bear on the handle when moving a car they grip the rail firmly and the New Badger cannot slip even when the spurs are dulled by long wear.

Provided with a "Quick Acting" Compound Leverage that has push enough to move the heaviest loaded cars and on empty cars it is particularly fast in operation, owing to its lengthening cam action and its light weight.

The spurs are held in place by a new spur plate—one bolt to take out, and the spurs can be changed or new ones inserted if necessary, with the aid of a common wrench

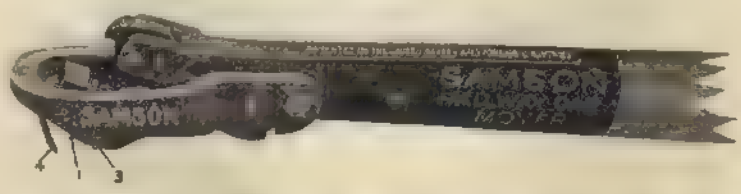
Each

New Badger—5½ ft. Long, Malleable Iron and Cast Steel Construction, Special Tool Steel Never-Slip Spurs, Large Selected Hard Maple Handle, Weight Each 17 Lbs. **$5.00**

Per Pair

Extra Never-Slip Spurs—Special Tool Steel..... **$0.25**

SAMSON



Each

Samson—5½ ft. Long, Compound Leverage, Annealed Malleable Iron Castings, One Refined Crucible Tool Steel Spur with Four Sharp Edges, Tool Steel Spring, Hard Maple Handle, Complete with One Extra Spur, Weight Each 15 Lbs..... **$5.00**

Extra Spurs—⅞ in. Square by 3 in. Long, for Samson Car Mover ..... .25

The leverage of this Mover being compound, as soon as pressure is brought to bear upon the handle the two points will come in contact with the car wheel at the proper rolling distance from the point where the wheel rests on the rail and in consequence the car wheel is immediately forced to turn instead of being lifted from the track as is the case with ordinary pinch bar.

IDEAL

Each

No. 800—5½ ft. Long, Refined Malleable Iron Castings, Mushet Steel Spurs, Hard Straight Maple Handle, Complete with One Extra Pair of Spurs, Weight Each 16 Lbs. **$5.00**

Per Pair

No. 5—Extra Spurs, Drawn Mushet Steel..... **$0.25**

The Ideal Car Mover is not only the most powerful mover ever designed for moving cars, but it moves a car 20 per cent further per stroke and has absolutely no lost motion..

It is of simple and durable construction, as it has but three elements, all assembled by tool steel hinge bolt.

Does not lift the wheel, but exerts all the great power of its compound leverage in pushing the car ahead. The top of the pushing knee and point of shoe both engage the wheel at proper rolling distance from where wheel rests on rail and force wheel to turn. There is no friction between the pushing knee and the wheel

SHELDON

Each

Sheldon—5½ ft. Long, Malleable Iron Lever and Shoe, Highest Grade Tool Steel Heel and Toe Plates, Interchangeable and Reversible, Weight Each 20 Lbs..... **$5.00**

The great advantage of this mover is in its compound leverage, which makes it easy for one man to move the heaviest car

TRACK LEVELS

Each

No. 10—6½ ft. Long, 5½x1¼ in. Made of White Pine with Three Coats of Paint, thus Overcoming the Tendency to Warp and Twist. Thoroughly Steel Bound. Sprit Glass Set in Top and Protected by Handle, without Insulation, Average Weight Each 9 Lbs. ..... $.

No. 11—Insulated, Otherwise Same as No. 10 .....

TRACK GAUGES

HUNTINGTON STANDARD

Each

No. 20—5 ft. Long Over All, Gas Pipe Stem, Taper Threaded at Both Ends to which Malleable Iron Prongs are Screwed, the Two Lugs at Fork End Bearing the Flange Edge of Rail Secure at Once a True Right Angle, without Insulation, Average Weight Each 13 Lbs. ..... $

No. 21—Insulated, Otherwise Same as No. 20. .....

TRACK DRILLS

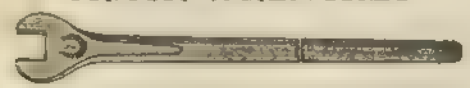
BUDA "HYDUTY" NEW-STYLE PAULUS

This is the style of clutch that has been the standard, and is, therefore, familiar to all users. Constructed with special care and standard in every respect.

Each

Type "A"—Average Weight Each 60 Lbs. ..... $.....

TRACK WRENCHES



No. 1110—Solid Cast Steel, Oil Finish, 24 in. Long

Opening, Inches.....	⅞	1⅛	1⅜	1½
Weight Each, Lbs..	4⅝	4⅝	4⅝	6⅓
Each	$0.70	.70	.70	1.00
Opening, Inches.....		1⅛	1⅜	2⅛
Weight Each, Lbs..		6⅓	6⅓	6⅓
Each		$1 00	1.00	1.00

RAIL BENDERS

Made from Best Grade of Forging Steel, Steel Screw with Machine Cut Square Thread, without Turning Bar.

Nos.	0	1	2	3	4	5
Cap'y, Size Rail, Lbs.	16	25	50	75	85	100
Span of Claws, In..	14	16	20	24	28	28
Diam. Screw, Inches.	1⅝	2	2⅛	2½	2⅝	2¾
Hole for Lever, In..	1	1	1⅛	1¼	1⅜	1⅜
Weight Each, Lbs..	40	65	85	130	145	170
Each	$....	....	....	....	.	.

TRACK TONGS

Each

No. 1090—Drop Forged Steel, Oil Finish, for Carrying Rails of all Sizes and Beams, Weight Each 17 Lbs. ..... .82 80

TRACK CHISELS

No. 1170—Solid Cast Steel, Oil Finish.

Length, Inches	7¾	8	8⅛	8¾	8½
Width of Bit, Inches . .	1	1⅞	1⅛	1¾	1¼
Weight Each, Lbs. .	4	4½	5	5½	6
Each	$1 20	1 35	1 50	1.65	1 80

All Above, Open Stock.

NEW HAVEN CLOCK CO.'S FINE LEVER AND AUTOMOBILE CLOCKS

THE ROADSTER
Automobile Clock

Eight-Day Time. Solid Brass case, finished in Polished Brass, Polished Nickel or Black Enameled. Height, 3½ inches. Width 3 ¼ inches. Dial, Silver, 2¼ inches.

No. 11674 ..... Each, $9.92

BELMONT
Automobile Clock

Eight-Day Time. Solid Brass Case finished in Polished Brass, Polished Nickel or Black Enameled. Height, 4⅜ inches. Width, 4⅜ inches. Dial Silver, 2½ inches.

No. 11679 ..... Each, $8.50

NEW ORMOND
Automobile Clock

Eight-Day, Time. Solid Brass Case, finished in Polished Brass, Polished Nickel or Black Enameled. Height, 4 inches. Width, 4 inches. Dial, Porcelain, 3 inches.

No. 11680 ..... Each, $10.65

WOOD LEVER
(Solid Oak or Walnut)

	6-inch Dial	8-inch Dial	10-inch Dial	12-inch Dial
No. 11677—8-Day, Time.	$7.10	$7.75	$8.95	$10.00
No. 11678—8-Day, Strike	(not made)	9.10	10.30	11.35

GUARANTEED ACCURATE TIMEKEEPERS

CANTON LEVER
(Nickel or Brass)

	6-inch Dial	8-inch Dial
No. 11681—8-Day, Time.	$7.10	$7.75
No. 11682—8-Day, Strike	not made.	9.10

SETH THOMAS CLOCK CO.'S FINE LEVER AND PENDULUM CLOCKS

BANNER LEVER

Metal Case, Brass or Nickel-Plated

No. 11683	1-Day, 6-inch, Time (Each)	$ 6 70
No. 11684	8-Day, 6-inch, Time (Each)	10 70
No. 11687	8-Day, 8-inch, Time (Each)	12 00
No. 11688	8-Day, 8-inch, Strike (Each)	14 70

CHATHAM—8-DAY PENDULUM

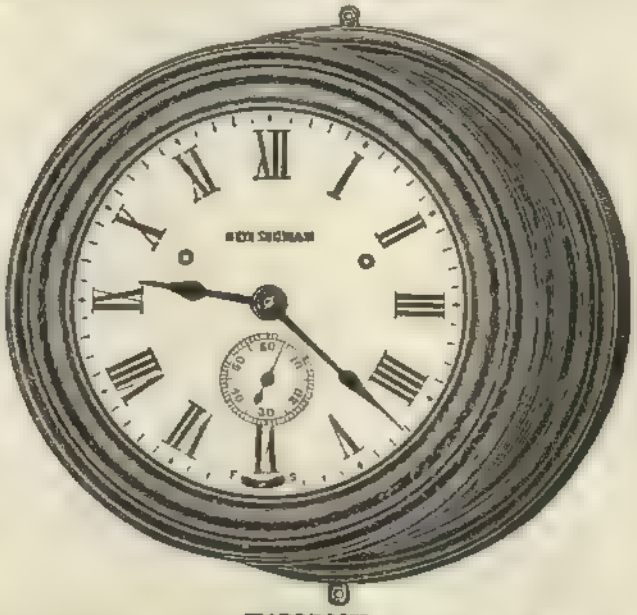
Mahogany or Old Oak Veneer, Polished. The large gilt numerals and [illegible] Dial, 12-inch Dial, Diameter 15 inches.

No. 11[illegible]	Time	Each $ 9 35
No. 11688	Strike	Each 19 70

WOOD LEVER

Mahogany or Old Oak Veneer, Polished

No. 11680	1-Day, 6-inch	Time	Each $ 6 00
No. 11[illegible]	8-Day, 6-inch	Time	Each 1[illegible]
No. 11[illegible]	8-Day, 8-inch	Time	Each 11 [illegible]
No. 11[illegible]	8-Day, 8-inch	Strike	Each 13 [illegible]
No. 11[illegible]	1-Day, 10-inch	Time	Each 1[illegible]
No. 11[illegible]	8-Day, 10-inch	Time	Each 11 [illegible]
No. 11[illegible]	8-Day, 10-inch	Strike	Each 15 [illegible]



WARDROOM

"Eight Bell" Clock. This is a [illegible] Striking "Eight Bells" same as [illegible] One [illegible] will [illegible] for [illegible] 3 days. Are strong and reliable in construction and do not easily get out of order. Wood Case, Mahogany or Golden Oak. 7½-inch Dial. Total Depth of Case 4¾ inches. Width at Base 8½ inches. Antique Copper Case. No. 11956

Each $24 70

ENGINE LEVER

Metal Case, Brass or Nickel Plated. 6-inch Dial, Silvered Face.

11697	1-Day, Time	Each	$ 8 00
11698	8-Day, Time	Each	12 00

WHITE LEVER

Wood Case, White Adamantine Finish. Can be cleaned with a damp cloth any number of times without injury to the finish.

No. 11899	8-Day, 6-inch, Time	Each $12 70
No. 11709	8-Day, 8-inch, Strike	Each 16 70

SWITCH-BOARD LEVER

Metal Case, Brass or Nickel-Plated. 6-inch Etched Metal, Silvered Dial, Hinged Bezel. Eight-Day, Time Double-Spring Movement, with Balance Pivots running in Jewels. A superior movement and close-fitting case. Width, front and back, 8 inches.

No. 11701 [illegible] Each $25 70

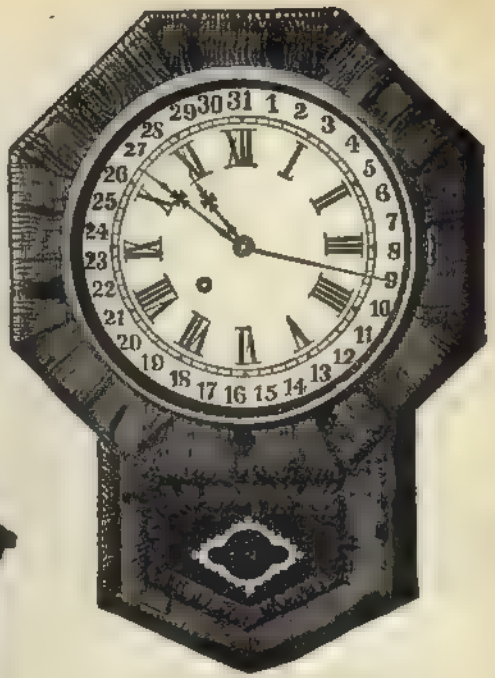
New Haven Clock Co.'s Fine Office Clocks and Regulators

Guaranteed Accurate Timekeepers

BRANFORD
Solid Oak Case

No.	Each
11584—8-Day, Time, 10-inch Dial	$8 15
11585—8-Day, Time, 12-inch Dial	8 55
Strike, extra	1.35

Height, 22¾ inches. Width, 15 inches.



12-INCH DROP OCTAGON
Rosewood or Zebra Veneer

No. 11586—8-Day, Time, Calendar, 12-inch Dial..... Each, $9 95

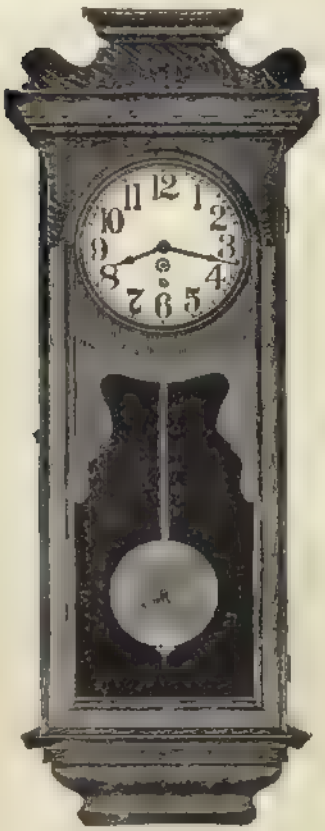
Height, 24⅛ inches. Width, 16½ inches.

All Orders Filled Same Day Received. No Delay

STANTON
Solid Oak or Mahogany

Eight-Day, Weight, with Retaining Power. Height, 64 inches. Width, 21 inches. Dial 12 inches.

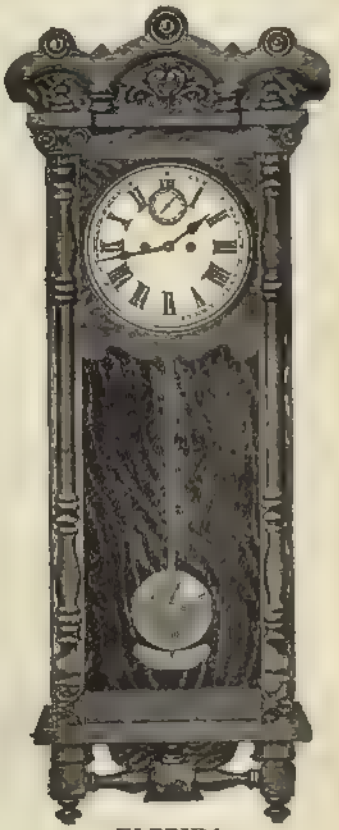
No. 11589..... ....Each, $64.00



SOLENT
Solid Oak or Mahogany

No.	Each
11587—8-Day, Time	$18.35
11588—8-Day, Strike, Cathedral Gong	20.35

Height, 36¾ inches. Width, 13½ inches. Dial, 8 inches.



ELFRIDA
Solid Oak or Mahogany

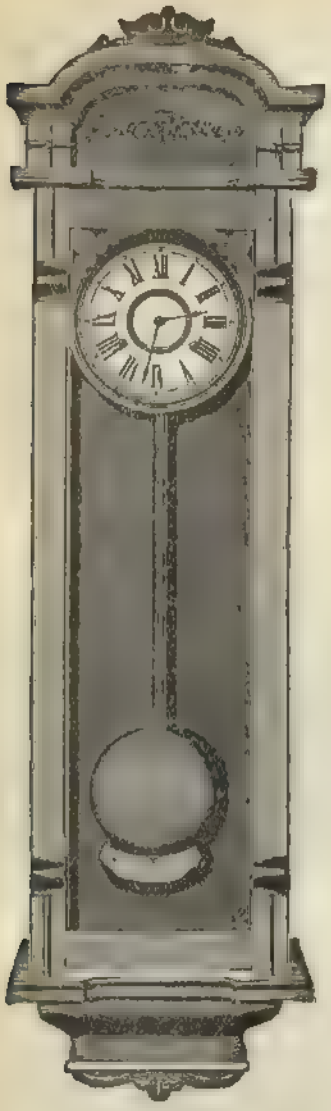
Eight-Day, Spring, Time. Height, 49 inches. Width, 19 inches. Dial, 10 inches.

No. 11590 Without second hand, Each $24.35

No. 11590½ 30-Day Spring Time, with second hand..... Each 27.30

Most Beautiful and Artistic Clocks on the Market.
Our Low Prices are bound to win the Admiration and Confidence of all Conservative Merchants

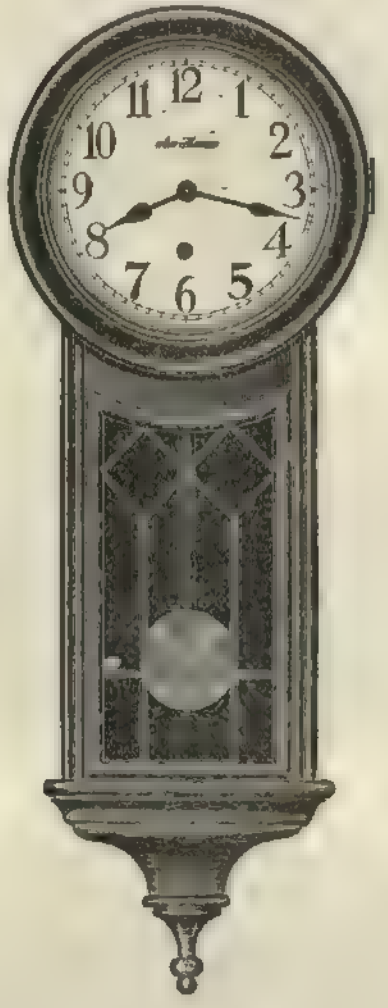
Guaranteed Accurate Timekeepers



COLUMBIA
Solid Oak or Mahogany

No.		Each
11595	8-Day, Spring, Time	$20.00
11596	8-Day, Strike, Cathedral Gong	22.00
11597	30-Day, Spring, Time	22.95

Height, 48½ inches. Width, 14¼ inches. Dial, 8 inches.

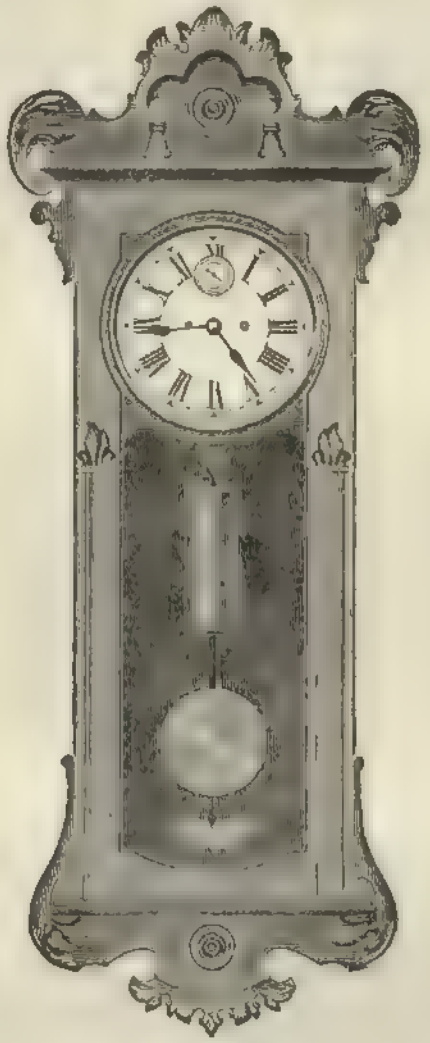


NANSEN
Wall Clock for the Home

Eight-Day, Spring, Time. Leaded Glass. 10-inch Porcelain Dial. Mahogany Finished Case.

Height, 34¾ inches. Width, 12¾ inches.

No. 11594.....Each, $30.00



GRECIAN
Solid Oak or Mahogany

Eight-Day, Weight, Time.

Height 51 inches. Width, 20 inches. Dial, 10 inches.

No. 11593.....Each, $28.80

DURANCE
Solid Oak, Flemish Finish

Height, 37¼ inches. Width, 15¾ inches. Dial, Wood, 12 inches, Cast Numerals and Hands.

No. 11591. Eight Day, Spring, Time. Each.....$22.35.

No. 11592. 8-Day, Strike.....Each, 24.35

NEW HAVEN REGULATOR CLOCKS.

MAYWOOD, Height 43¼ Inches. Width 17 Inches, Dial 8 Inches, Solid Antique Oak or Mahogany Case.

8 day time.....each **JFBE** $10.44
8 day gong.....each **JGAE** 11.90
30 day time.....each **JGEE** 12.58
8 day clocks fitted with calendar, extra, each .....**BE** $0.45

ONE IN A CASE. WT 43 LBS.

Showing Thirty Day Calendar Fitting.

RUTLAND, Height 48 Inches, Width 19¼ Inches, Dial 10 Inches, Solid Antique Oak or Mahogany Case.

8 day time.....each **JHCE** $13.90
8 day gong.....each **JIBJ** 15.34
30 day time.....each **JIFJ** 16.00
30 day time calendar, each **AABJ** 18.69
8 day clocks fitted with calendar, extra, each .....**BE** $0.45

ONE IN A CASE. WT 62 LBS.

SATURN, Height 34⅜ Inches, Width 15¼ Inches, Dial 12 Inches, Solid Antique Oak or Mahogany Case.

30 day time.....each **JIBJ** $15.34
8 day time weight....each **ABEJ** 20.84

ONE IN A CASE. WT 40 LBS.

VAMOOSE, Height 45 Inches, Width 15¾ Inches, Dial 10 Inches, Solid Oak or Mahogany Case.

8 day time.....each **JFFE** $11.12
8 day gong.....each **JGEE** 12.58
30 day time.....each **JGIE** 11.22
8 day clocks fitted with calendar, extra, each .....**BE** $0.45

ONE IN A CASE. WT 47 LBS.

SOLENT, Height 36¾ Inches, Width 13½ Inches, Dial 8 Inches, Solid Antique Oak Case.

8 day time.....each **JGIJ** $13.20
8 day gong.....each **JHKJ** 14.64
Fitted with calendar, extra, each .....**BE** .45

GRECIAN, Height 51 Inches, Width 20 Inches, Dial 10 Inches, Solid Antique Oak or Mahogany Case

8 day time.....each **AJAJ** $16.80
8 day gong.....each **AJIE** 18.22
8 day time weight...each **ABBJ** 20.30
30 day time.....each **AACE** 18.90
30 day time calendar, each **ABIE** 21.58

ONE IN A CASE. WT 67 LBS.

NEW HAVEN DROP OCTAGON AND REGULATOR CLOCKS.

BRANFORD, Height 22¼ Inches. Width 15 Inches, 10 Inch Dial, Solid Oak Case.

No. 210—8 day timepiece, each ..... CEJ $5.85
No. 210 [illegible] strike, each DAJ [illegible]
No. 410 Fitted with calendar, extra, each ..... BE $0.45

ONE IN A CASE. WT 19 LBS.

BRANFORD, Height 27½ Inches, Width 17⅛ Inches, 12 Inch Dial, Solid Oak Case.

No. 212 8 day timepiece, each ..... CGJ $6.15
No. 112 8 day strike, each DBE 7.10
No. 412 Fitted with calendar, extra, each ..... BE $0.45

ONE IN A CASE. WT 26 LBS.

ERIE, Height 33½ Inches, Width 18½ Inches, 12 Inch Dial, Solid Oak Case, Antique Finish.

8 day timepiece.....each DBJ $7.00
8 day strike, cathedral gong, each ..... EJE 8.40

Fitted with calendar, extra, each ..... BE .45

ONE IN A CASE. WT 34 LBS.

TAMPA, Height 37½ Inches, Width 15½ Inches, 12 Inch Dial, Solid Oak Case.

8 day timepiece. each DBE $7.10
8 day strike, cathedral gong, each ..... EAJ 8.52

Fitted with calendar, extra, each ..... BE .45

ONE IN A CASE. WT 43 LBS.

DROP OCTAGON, Height 21⅝ Inches, Width 13⅞ Inches, 10 Inch Dial, Solid Oak Case.

No. 510—8 day timepiece, each ..... CDJ $5.85
No. 610 8 day strike, each CIE 6.80
No. 710—Fitted with calendar, extra, each ..... BE $0.45

ONE IN A CASE. WT 16 LBS.

DROP OCTAGON, Height 23⅞ Inches, Width 15½ Inches, 12 Inch Dial, Solid Oak Case.

No. 512—8 day timepiece, each ..... CHJ $6.90
No. 612—8 day strike, each DCE 7.25
No. 712—Fitted with calendar, extra, each ..... BE $0.45

ONE IN A CASE. WT [illegible] LBS.

REFEREE, Height 35⅛ Inches, Width 16 Inches, 12 Inch Dial, Solid Oak Case.

8 day timepiece . each DBE $7.10
8 day strike, gong . EAJ 8.52

Fitted with calendar, extra, each ..... BE $0.45

ONE IN A CASE. WT 49 LBS.

HARVARD, Height 32⅛ Inches, Width 17⅛ Inches, 12 Inch Dial, Solid Oak or Walnut Case.

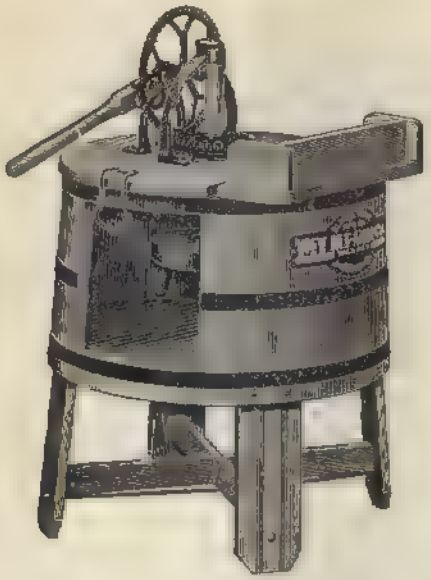
8 day timepiece.....each EIJ $9.80
8 day strike, gong....each JFGE 11.22

Fitted with calendar, extra, each ..... BE $0.45

ONE IN A CASE. WT [illegible] LBS.

WASHING MACHINES

NEW PAN AMERICAN



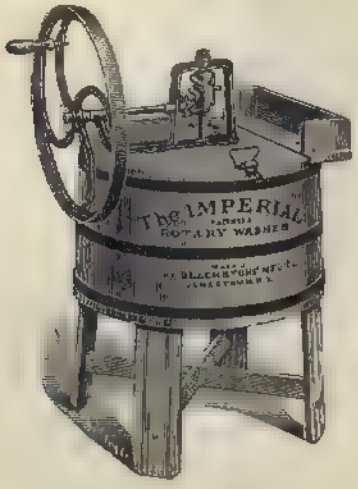
Each

New Pan American—Family Size, Round Wood Tub, Corrugated Sides and Bottom, Three Heavy Iron Hoops, Four Strong Legs, Securely Bolted to the Tub, Well Braced and Held Together with Steel Rods, Filled and Varnished Woodwork, Aluminum and Gold Bronzed Finished Castings....$. ..

This Washer has a large lid allowing the entire top to open up, making plenty of room for operator to put in and take out clothes.

Weight Each Crated 65 Pounds

IMPERIAL ROTARY



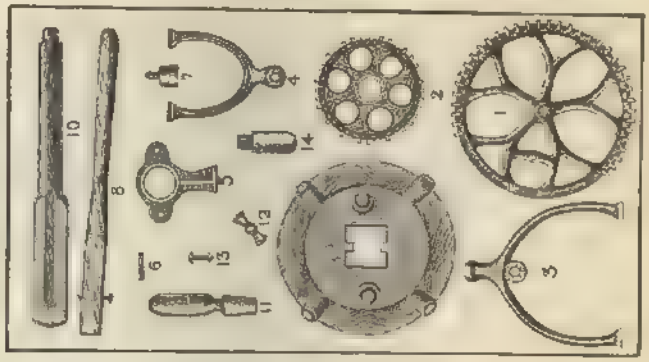
Each

Imperial—Family Size, Louisiana Red Cypress Tub, Corrugated Inside Sides and Bottom, Stave Legs, Natural Finish, Black Enameled Hoops, Aluminum Finished Outside Castings ... .$....

This machine runs like a sewing machine, it is built with sliding cylinder on square post, insuring great Strength. Has roller bearings, making it practically noiseless.

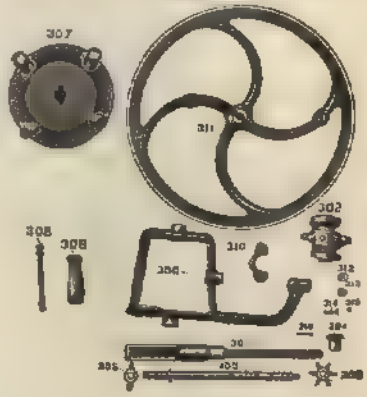
Weight Each Crated 87 Pounds

EXTRA PARTS FOR NEW PAN AMERICAN WASHING MACHINES



		Each
No. 1	—Large Gear Wheel	$0.20
No. 2	—Small Gear Wheel	.20
No. 3	—Large Stand	.20
No. 4	—Small Stand	.20
No. 5	—Collar and Guide	.15
No. 6	—Post Pin for Holding Small Cog on Post	.02
No. 7	—Ferrule for End of Post	.05
No. 8	—Top or Lever Handle for Large Gear Wheel	.10
No. 9	—Inside Wooden Wheel or Dasher	35
No. 10	—Post or Standard for Holding Inside Dasher	.15
No. 11	—Plug or Stopper for Holding Water in Machine	.05
No. 12	—Button for Holding Lid of Machine Down	.02
No. 13	—Bolts for Holding Castings to Lid	.01
No. 14	—Pins or Pegs for Inside Wheel or Dasher	.05

EXTRA PARTS FOR IMPERIAL ROTARY WASHING MACHINES



		Each
No. 300	—Stand	.80 50
No. 301	—Post	.25
No. 302	—Cylinder	.50
No. 303	—Sprocket Wheel	.25
No. 304	—Ferrule for Top of Stand	.05
No. 305	—Shaft or Rod for Fly Wheel	.15
No. 306	—Thumb Screw to Hold Fly Wheel on Shaft	.05
No. 307	—Inside Wooden Wheel	.35
No. 308	—Bolt for Handle for Fly Wheel	05
No. 309	—Wooden Handle for Fly Wheel	.05
No. 310	—Spout	.05
No. 311	—Fly Wheel	1 00
No. 312	—Oval Roller for Pins on Cylinder	05
No. 313	—Straight Roller for End of Shaft	.05
No. 314	—Rivet for Fastening Sprocket Wheel on Shaft	.02
No. 315	—Washer for Oval Rollers	.01
No. 316	—Spring Cotter for Top of Post	.02

WASHING MACHINES

REX

Each

Rex—Family Size, Louisiana Red Cypress Tub, Corrugated Sides and Bottom, Moss Green Finish, Green Enameled High Speed Fly Wheel, Fast Revolving Dasher, Double Thickness Overlap Lid, Bolted Stave Legs, Aluminum Bronzed Castings, Black Enameled Hoops.....$..

When open allows plenty of room for operator to put in or take out clothes. The castings are so balanced that by lifting with the lever, the cover will open very easily The dasher is fitted with a new device for preventing clothes from catching and tearing. Has double socket for operating handle, allowing operator to sit or stand when using machine.

Weight Each Crated 85 Pounds

EXTRA PARTS FOR REX WASHING MACHINES

		Each
No. 500	—Fly Wheel	$1 25
No. 501	—Main Frame	1 00
No. 502	Lever Socket	50
No. 503	—Swing Gear	.75
No. 504	—Connecting Rod	10
No. 505	—Post Gear	30
No. 506	—Speed Gear	30
No. 507	—Tapering Connecting Pin.	20
No. 508	—Post	25
No. 509	—Brace	.10
No. 510	—Lever Handle	10
No. 511	—⅝ Pin for 507 Pin	05
No. 512	—3/9 Pin to Fasten 506 to 504.	01
No. 513	—Lid or Cover (not Illustrated)	50
No. 514	Side Handle of Tub (not Illustrated).	05
No. 515	—Inside Wheel or Dasher (not Illustrated)	35
No. 416	—Small Dasher Collar (not Illustrated)	
No. 417D	—Top Plate for Dasher (not Illustrated).	.10
No. 418D	—Cup for Underside of Dasher (not Illu.)	10

REGAL

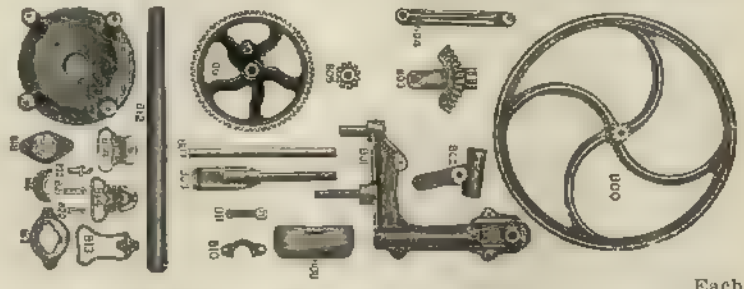
Each

Regal—Family Size, Selected Louisiana Red Cypress Tub, Natural Finished with High Grade Varnish, Full Corrugations Inside, Hardwood Legs are Bolted, Firmly Braced and Reinforced by Steel Rods, Heavy 2-Ply Overlapping Lid, Non-Tearing Dasher, Protected Gearing, 3 Extra Heavy Steel Hoops, Fihished in Black Enamel, Galvanized Tub Trimmings, Blue and Red Enameled Castings.....$..

The gearing is of the simplest construction and all working parts are carefully machined. Two sockets are provided for the operating lever so the operator may stand or sit while working the machine.

Weight Each Crated 95 Pounds

EXTRA PARTS FOR REGAL WASHING MACHINES



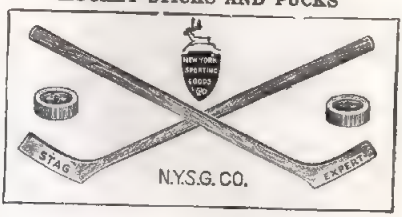
		Each
No. 800	—Fly Wheel	$1 25
No. 801	—Frame	1.00
No. 802	—Lever Socket	.75
No. 803	—Combination Socket and Gear	.75
No. 804	—Connecting Rod	.10
No. 805	—Post Gear	.30
No. 806	—Speed Gear (Casting Numbered 506)	.30
No. 807	—Gun Rod	.15
No. 808	—Post	.25
No. 809	—Gear Cover	15
No. 810	—Gear Cover for No. 806 (not Illustrated)	
No. 811	—Wrench	05
No. 812	—Lever Handle	10
No. 813	Lid Fastener	15
No. 814	—Side Handle with Plate	.10
No. 816	—Small Collar for Dasher	05
No. 817	—Large Collar for Dasher	.10
No. 818	—Cap or Shield for Dasher.	10
No. 819	—Inside Wheel or Dasher	.35
No. 820	—Pin	02
No. 821	—Pin	02
No. 822	—Pin	.02

HOCKEY AND POLO STICKS

POLO STICKS

No. C. "Junior." A fine bent wood stick of junior size.....Each $ .10
No. B. Standard selected second growth ash, well finished....Each .25
No. A. "League." Good selection of second growth hickory.Each .50
No. AA. "Champion" Best selected second growth hickory, with wound handle...Each .75
No. 1. "Official" ball... 1.00
No. 2. "Practice" ball.. .25
No. 3. Rubber ball.... .10

HOCKEY STICKS AND PUCKS

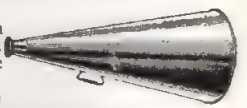


Our hockey sticks are made in Canada from patterns furnished by expert players and only the finest selection of rock elm is used.

No. 3. "Youths." A little smaller than the regulation, natural color....Each $ .25
No. O. "Championship." Made in assorted models from an excellent selection of rock elm.....Each .50
No. H. "Stag Expert." A very fine grade and the choice of expert players both amateur and professionals. Either Forward or Defense models.....Each .75
No. SN. The "St. Nicholas" model in either Forward or Defense. The best that can be made. A stick that will pass the most critical inspection.....Each 1.00
No. BH. Goal Keepers built up stick. Full limit of size, yet light in weight.. Each 1.00
No. 8. Pucks, fine quality rubber...Each .50
No. 9. Pucks. Good quality..... .25

Prices on Hockey Gloves, Shin Guards, etc., quoted on application

"HELLO" MEGAPHONES



These instruments are made of a composition fibre, which is very light, strong and durable. They are made on the latest approved acoustic lines, and possess great carrying qualities.

On the water, shore or open country where there are no obstructions, it is possible to talk at a very long distance.

PLAIN, WITH WOOD MOUTHPIECE

No. A. 12 inch.....Each $ .25 No. B. 20 inch.....Each $ .50

MOUTHPIECE AND TRIMMINGS NICKEL PLATED

No. 2. 10 inch.....Each $ .75 No. 3. 12 inch.....Each $1.00
No. B½. 22 inch.....Each 1.00 No. D½. 30 inch..... Each 1.50
No. CX. Coxswain improved model, with head harness, 9 inches, nickeled mouthpiece not trimmed.....Each 1.50

Above prices do not include delivery except on 75c and $1.00 Sticks and Balls; and then only when cash accompanies order

BOXING DUMMIES

No. 1

More exercise and fun can be had by using these dummies than any other form of gymnasium apparatus. No matter where the dummy is hit it will return to an upright position in readiness to be struck again.

It is very beneficial to the base ball or foot ball player, gymnast or any athlete, especially the boxer.

To get the best results when boxing the dummy, step away from and around it to strike it at different angles. This makes the exercise more interesting than striking it from one stand point only. To protect the knuckles use a pair ordinary gloves or a pair of striking bag gloves.

The dummy when detached from the base can be used as a lifesaver as it will support from three to five persons in the water.

This dummy consists of an inflated figure covered with heavy brown canvas, mounted on a hidden steel frame and fastened to a bowl shaped iron base, which can be removed by unbuckling the straps which hold the legs to the base.

BOXING DUMMIES

No. 1.	Men's size, 5 ft. 8 in.	$30.00
No. 2.	Boy's size, 3 ft. 6 in.	17.50
No. 3.	Children's size, 2 ft. 6 in.	7.50

EXTRA BLADDERS

No. 1B.	Full Size, to fit No. 1 Dummy	4.50
No. 2B.	Medium Size, to fit No. 2 Dummy	3.00
No. 3B.	Small Size, to fit No. 3 Dummy	2.00

FEED CUTTERS

NO. 2

NONESUCH

Each

No. 2—Hard Wood Frame and Box, Natural Wood Finish, Varnished, Plated 13¾ in. Special Knife, Steel Circling Knife..... $5.50

A simple and durable machine. The device for adjusting the lever being removed from the pivot, enables us to have a stationary pivot firmly attached to the machine, and consequently not liable to get loose, as in other machines where the pivot is adjustable.

All parts are mortised together, making it rigid and strong, and not so easily tilted as many other makes.

Weight Each 58 Pounds

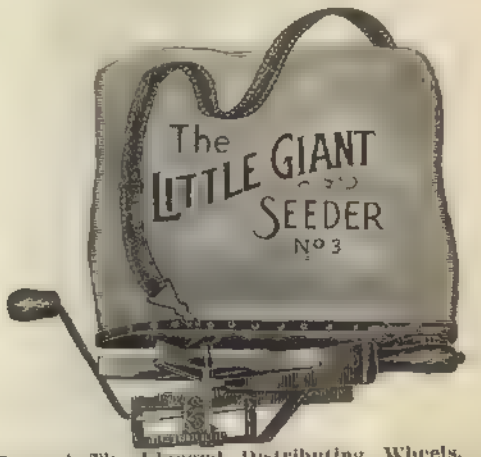
FRUIT PICKERS

Per Dozen

No. 799 Heavy Galvanized Wire Basket, Wire Socket, for Gathering Apples, Peaches, Pears etc. . . . . $ . .

Weight Per Dozen 4 Pounds.

SEED SOWERS



Two Pressed Tin Flanged Distributing Wheels, Heavy Canvas Bag, Wood Parts Painted Red, Light Running.

Per Dozen

No. 3—Will Sow 4 Pints of Timothy, 8 Pints of Clover, 20 Lbs. of Alfalfa, 3 Gallons of Flax, ½ Bushel of Wheat and 2 Bushels of Oats to an Acre, Will Distribute All Seeds as Evenly as Any Four or Five Flange Sowers.. . $ . .

Weight Per Dozen 42 Pounds

CORN PLANTERS

No. 311.

SEGMENT

Per Dozen

No. 311—33½ in. Long, Pressed Steel Segmental Slide, Adjustable for Number of Kernels, Running in Segmental Steel Track, Chinese Bristle Brush Cut-Off, Double Coil Steel Spring, Adjustable Depth Gauge, Fixed Dump Lever, Galvanized Hopper with Hinged Cover, Galvanized Seed Spout, Pressed Steel Jaws, Vermilion Finished Hardwood Sides, Smooth Handle ... . . $ . .

Automatic Slide Type. Plants Corn, Beans, Peas, etc. Pumpkin seeds may be planted by operator dropping seed into hole in spout.

Weight Per Dozen 60 Pounds

One Dozen in a Crate.

No 4.

AMERICAN STANDARD

Per Dozen

No. 4—One Hand Automatic, Fitted with Sheffield's Patent Adjustable Seed Disc and Spring Brass Cut-Off, Adapted for Medium to Heavy Seeding, and for Planting Large Sized Kernels ..... $ . .

The Disc is adjustable for all sizes and number of kernels and rotates similar to the disc in a horse planter.

Operates as fast as a man can walk and an operator can plant 8 to 10 acres in one day.

Weight Per Dozen 70 Pounds.

One-half Dozen in a Crate.

HUSKING PINS

Per Dozen

No. T1—Best Cold Rolled Steel, Oil Tanned Leather, Can be Adjusted for Bare Hand, Glove or Mitten ..... $

Guard and pad are so arranged that finger is not worn in case ear is missed, and pin won't slip back in the hand. The straps protect the hand from the pin

Weight Per Dozen 1 Pound.
Three Dozen in a Box

Per Dozen

No. T2—Best Cold Rolled Steel, Oil Tanned Leather, Can be Adjusted for Bare Hand, Glove or Mitten, without Steel Finger Guard..... $

Weight Per Dozen ¾ Pound.
Three Dozen in a Box.

Per Dozen

No. K—4½ in. Nickel Plated Heavy Sheet Steel Pin with Extra Steel Protecting Guard, Curved in Front of Extra Wide Chrome Grain Calf Forefinger Protector, Grain Calf Hand Leather Piece and Strap, Nickel Sliding Wire Loop and Steel Tongue End Adjustment..... $

Weight Per Dozen 1 Pound.
One Dozen in a Box.

Per Dozen

No. 2000—4½ in. Tinned Heavy Sheet Steel Pin, with Three Compartments of Super-Grade Chrome Muleskin, Lace Thong Adjustment.... $

Weight Per Dozen ¾ Pound
Three Dozen in a Box.

HOOK HUSKERS

Per Dozen

No. 65—Heavy Sheet Steel Large Palm Plate and Inserted Hook, Nickel Plated and Buffed, Palm Plate Curved Over Edge of Hand, Best Grade Orange Color Leather, Hand Leather Extends Over Back of Hand, Two Adjustable Wrist Straps, Nickel Plated Buckles..... $

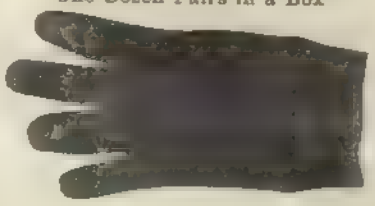
Weight Per Dozen 3 Pounds.
One Dozen in a Box.

GLOVES

Per Dozen Pairs

No. 281—Good Weight White Canton Flannel, Fleece Inside, Knit Wrist..... $

One Dozen Pairs in a Box



Per Dozen Pairs

No. J61—Brown Jersey, Knit Wrist..... $

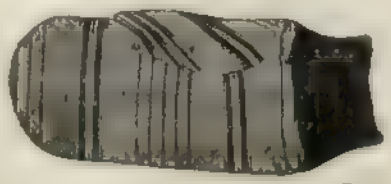
One Dozen Pairs in a Box.

Per Dozen Pairs

No. LPK—Heavy Weight White Canton Flannel, Fleece Inside Palm, Fingers and Thumb, Reinforced with Leather Facing, Knit Wrist.

One Dozen Pairs in a Box.

MITTENS



Per Dozen Pairs

No. KW—Forester, Striped Ticking, Padded, Knit Wrist ..... $

One Dozen Pairs in a Box

PINE TAR
NORTH CAROLINA

Per Dozen Cans

No. 01PT—In ½ Pint Cans $....
No. 1PT—In 1 Pint Cans ..
No. 2PT—In 1 Quart Cans ..

Carefully prepared from the best North Carolina Pine, is cooling and healing, and can be applied with Oakum to diseased feet with excellent results

COAL TAR

Per Dozen Cans

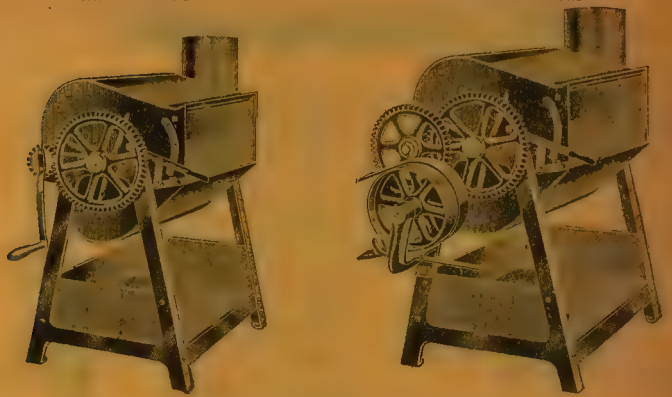
No. 1CT—In 1 Pint Cans ...$....
No. 2CT—In 1 Quart Cans . . . ..

CONCRETE MACHINERY.

NORTHWESTERN TRIANGULAR MIXERS.

The Most Practical, Thorough, Rapid and Handiest Batch Mixers Made.

HAND MIXERS. POWER MIXERS.



Principle—Triangular type with automatic door, same as No. 1 Mixer on preceding page. In every turn of the drum, three complete mixings take place. The material is carried up well onto one side and then thrown in a shower over the contents in the bottom of the drum.

Time Required to Mix One Batch—From one to two minutes will thoroughly mix up a batch of concrete. The quality of the mix as well as the saving of time and labor will soon offset the cost of either machine.

Operation—The cement and sand or gravel is placed into the machine; the cover locked, and the machine revolved about fifteen times. This will require about one minute's time. The water is then turned on and the drum revolved until the mixture is of the proper moisture. The cover is then unlocked and the drum turned over once or twice which will thoroughly empty it. It is a good rule to continue mixing until an even color is obtained. In this way porosity is greatly reduced and the question of waterproofing in a measure is solved.

Cleaning—Any mixer should be washed out with water at the end of each day's work, else the concrete will stick and harden. With these mixers, water can easily be thrown in, and a few turns of the drum will thoroughly flush the interior.

HAND MIXER.

The hand mixer consists of frame, drum, gearing, water tank and wetting device. Length of drum, 30 inches; circumference, 34 inches, diameter, 26 inches; height over all, 4 ft., length over all, 4 ft.; capacity 4 to 5 cu. ft.; capacity of hopper bottom, two batches; speed, 15 revolutions per minute. Frames are heavy iron castings with steel hopper at the bottom to hold the mix after it is dumped from the drum. The drum is made entirely of steel and is triangular shape with rounded corners. The shell is made of 14 gauge cold rolled steel and fits into grooves in either drum head. The drum heads are made of heavy castings and grooved on the inside. The drum head and shell are held together by three rods running entire length of the drum which also serve as an elevating device to carry the material well up on the side before it drops. The left hand drum head has a cold rolled steel journal chilled to the center, which turns in a solid box on the frame and the gear wheels are fastened to this journal. The power is produced by a four-to-one set of gear wheels with a 30 inch sweep of the crank. The right drum head is a cast journal and is perforated to permit a pipe to run through it. The wetting device consists of water tank, which is fastened to a stand on the frame. Connected with this tank is a half inch pipe which runs through the journal and extends clear across the center of the inside drum head. This pipe is perforated and the water is regulated by a half inch globe valve. This method evenly distributes the water through the drum and evenness of moisture assured.

POWER MIXER.

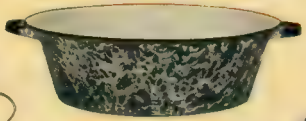
The construction of this mixer is similar to the hand mixer but is larger and more powerful. Length of drum, 36 in.; circumference, 84 in.; diameter, 26 in.; height over all, 4 ft. 2 in.; length over all, 4 ft. 8 in.; capacity 5 to 6 cu. ft.; capacity of hopper bottom, two batches; speed 15 revolutions per minute. The frame, is made of heavy iron castings with steel hopper at the bottom. The power is transmitted through an iron pulley. It is also equipped with loose pulley for throwing off the power at any place for emptying. It requires about a 3 horse power engine to operate with full capacity. In ordering belt power mixers state what size pulley is wanted or the number of revolutions per minute of the engine and size of engine pulley.

No. 3—Hand power mixer, complete, w't each 425 lbs.★	..... each	**EFJJ** $ 93.35
No. 21—Belt power mixer, complete, w't each 600 lbs.★	..... each	**JFGBJ** 112.00

★FOR FACTORY SHIPMENT ONLY, F. O. B. EAU CLAIRE, WIS.

880

13½



617

8

20

NUBLU ENAMELED WARE

20

06

19

112

800, Roaster

30

Chrysolite Enameled Ware, Pages 803 to 808. Iris Enameled Ware, Pages 814 to 814D. Nu-Blu Enameled Ware, Pages 809 to 814 Rev-o-noc Enameled Ware, Pages 815 to 816C. Rev-o-noc Roaster Page 816D.

AND DOWAGIAC MINNOWS.

WEEDLESS UNDERWATER.

Two Spinners, One Belly Weedless Treble and One Tail Weedless Treble, Hollow Point Hook, W't 1 oz.

No. 6008—White body, dark shaded back, w't per doz. in carton 1½ lbs. ..per dozen **JFJJ** $11.50

No. 6001—Rainbow color, green back, red and yellow sides blending into white belly, w't per doz. in carton 1½ lbs. ..per dozen **JFIJ** $11.50

Identically the same high grade construction as the No. 1000 series, a wonderfully effective lure and fish getter.

SURFACE OR FLOATING.

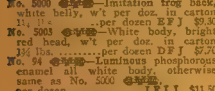
One Front Spinner 3½ in., ¾ oz. Body, One Belly and One Tail Large Treble Hook.

No. 5000—Imitation frog back, white belly, w't per doz. in carton 1½ lbs. ..per dozen **EFJ** $9.30

No. 5003—White body, bright red head, w't per doz. in carton 1½ lbs. .....per dozen **DFJ** $7.70

No. 94—Luminous phosphorous enamel all white body, otherwise same as No. 5000 **EFJ**, per dozen..... **JFIJ** $11.50

See No. 95 below.



No. 5004—1 oz. white body 4½ in. long with red head and collar, one belly and one tail large treble hooks, w't per doz. in carton 1¾ lbs. per dozer..... .....**DFJ** $7.70

No. 95—Luminous phosphorous enamel, otherwise same as No. 5004 . per dozen **JFIJ** $11.50

No 98—3 in., oz. body, weedless hooks, otherwise same as No 95 . per dozen **JFFJ** $11.00

It is that possesses the peculiar quality of asserting light, and reflecting the same in the dark. It emits a clear white light which is made more effective by the radiant power of the water.

The strong ripple created by the concave collar on these numbers attracts the fish from a great distance.

MUSKIE AND BASS CASTING.

Three Extra Strong Hollow Point Treble Hooks, Head and Tail Spinners, 3½ in., 1½ oz. Body.

No. M1000—Green cracked back, white belly, w't per doz. in carton 2 lbs. .....per dozen **JHCJ** $13.80

No. M1001—Rainbow, green back, red and yellow side blending into white belly, per dozen..... **JHCJ** $13.80

MUSKIE TROLLING.

Five Heavy Extra Strong, Hollow Point Treble Hooks, 5¼ in., 2½ oz. Body with Glass Eyes and Head and Tail Spinners.

No. M2001—Rainbow color, green back, red and yellow sides blending into white belly, w't per doz. in carton 3¾ lbs. . per dozen..... **AAEJ** $19.20

Highest grade material and workmanship throughout, extra strong in construction, perfect in shape and design.

COMBINATION.

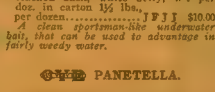
Combination Minnow and Buck Tail ½ oz. Bait, Buck Tail Tied on 2¼ in. Body Masks Large Tail Treble Hook, One Spinner.

No. 3006—Hexagon shape white body with red and green spotted decorations, red Buck Tail, w't per doz. in carton 1½ lbs., per dozen..... **JFJJ** $10.00

No. 3000—Round body, green cracked back, white belly, w't per doz. in carton 1½ lbs., per dozen..... **JFJJ** $10.00

A clean sportsman-like underwater bait, that can be used to advantage in fairly weedy water.

PANETELLA.



Two Spinners, Three Treble Hooks, 3½ in., ¾ oz. Body.

No. 7000—Green cracked back, white belly, w't per doz. in carton 1¼ lbs. .....per dozen **EFJ** $9.30

No. 7001—Rainbow color, green back, red and yellow sides, blending into white belly, w't per doz. 1¼ lbs. per dozen..... **EFJ** $9.30

The slender shape makes an attractive lure for the gamey ones.

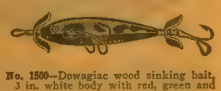
MIN-BUCK.

"MIN-BUCK," ¾ oz., 3 in. Body, Two Spinners, Three Treble Hooks.

No. 4007—Yellow body, red and green spotted decorations, hexagon shape, yellow Buck Tail on tail treble, w't per doz. 1 lb. per dozen..... **JFEJ** $10.80

No. 4008—White body with dark shaded back, natural color Buck Tail on tail treble, w't per doz. 1 lb., per dozen..... **JFJJ** $10.00

HEDDON'S DOWAGIAC.

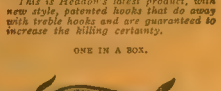


No. 1500—Dowagiac wood sinking bait, 3 in. white body with red, green and yellow spotted effect, two spinners, three detachable dummy double hooks, w't per doz. 12 oz., per dozen..... **JIPJ** $16.00

No. 1501—Yellow body, otherwise same as No. 1500, w't per doz. 12 oz., per dozen..... **JIFJ** $16.00

This is Heddon's latest product, with new style, patented hooks that do away with treble hooks and are guaranteed to increase the killing certainty.

ONE IN A BOX.



No. 0 Series—Two spinners, three japanned extra strong Dowagiac treble hooks 3 in., 2½ oz. body in colors given below, per dozen **JGBJ** $12.00

No. 0—White body, red and green decorations.

No. 01—Yellow body, red, green and black decorations.

No. 02-W—Red body, black decorations.

This is a new design with flat surfaces and side hooks mounted on a ridge with body of minnow sloping away from hooks, leaving them in the clearest possible position for efficiency.

No. 00 Series—Five japanned treble hooks, 3½ in., 2¼ oz. body, otherwise same as No. 0 Series in colors given below.....per dozen **JHAE** ..13.60

No. 00—White body, red and green decorations.

No. 001—Yellow body, red, green and black decorations.

No. 002—Red body, black decorations.

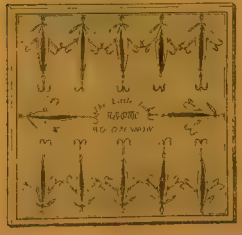
MINNOWS AND BAIT ASSORTMENTS.

MINNOW ASSORTMENT.

No. 888—Assortment consists of one each of the following numbers, viz.: 600, 1002, 2000, 3000, 4000, and 5000, 3000 —red, otherwise same as the 3000, 5000, 6000, 7000, 8000, 9000, 10000, and 1001, w't per asst't 12 lbs., per assortment ..... DHJ $8.00

This assortment containing four with buck tail treble hooks, one with weedless hooks, two with five treble hooks, two surface models, etc., displays in attractive form the most popular shapes, sizes and colors of our highest quality line. These baits attract the big game fish, the assortments attract the anglers.

LITTLE IMP ASSORTMENTS.



No. X33—Assorted green back, yellow belly and green body, white belly, three treble hooks, wood body 2½ in. long, w't about 1 oz. each minnow, 12 on a card, per card ..... ABJ $2.00

Put up on attractive and suitable manner, assorted on card as above. Packed one card in a cart[illegible]

BAIT ASSORTMENT.

No. 889—Assortment consists of 29 baits as follows, No. 1814—Treble buck tail, No. 701—Fly, No. 72—Fly, No. 1815—Treble buck tail, 5 No. 711—Flies, red, white, gray, yellow and brown, No. 863—Weedless treble buck tail, No. 813—Weedless treble buck tail, No. 871—Weedless treble buck tail, No. 1813—Treble buck tail, 3 No. W120—Weedless hooks, sizes 3/0, 4/0, 4/0 and 5/0, No. 845—Auto. weedless buck tail and spinner, No. 1914—Treble buck tail spinner, No. 815—Auto weedless buck tail, No. 2933—Buck tail [illegible] No. W125—Hooks sizes 3/0, 4/0, 5/0 and No. [illegible] No. 4—Buck tail gang, w't per asst't 1 lb. DHJ $7.20

These baits, 8 buck tail treble hooks, 8 flies, 5 trolling baits and 5 weedless hooks are carefully selected, quick sellers to stock and make up a strong and profitable assortment

SPECIAL "CHICAGO" MINNOWS.

No. 1833.

Length Body 2¾ in., Well Finished, Three Treble Hooks, One Spinner.

No. 1821—Rainbow	per dozen	BDJ	$4.00
No. 1822—Green back	per dozen	BDJ	4.00
No. 1833—Fancy Green	per dozen	BDJ	4.00
No. 1835—Yellow Perch	per dozen	BDJ	4.00

ONE SAMPLE OF EACH NUMBER OF ABOVE LINE IN A CARD ON

SCALES.

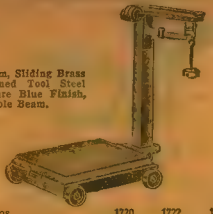
FULL CAPACITY BEAM PLATFORM SCALE.

Full Capacity Brass Beams, Sliding Brass Poises, No Loose Weights, Hardened English Tool Steel Bearings Throughout. Top Bar Graduated by ½ lbs., Lower by 100 lbs., Upper Poise has Set Screw, Lower has Steel Dog Arrangement, Notched Beam, Elegant Ultramarine Blue and Gold Finish.

Nos.	960	961
Capacity, lbs.	600	1,000
Platform, in.	16x25	17x26
Wt., lbs.	165	175
Each	$35.00	42.00
	AIJJ	BDAE

The [illegible] Full Capacity Beam Scale is made to meet the highest demands of scale perfection. The operation of weighing is as simple as the computations are made entirely from the beams. Guaranteed to be absolutely accurate.

PORTABLE PLATFORM.



Solid Brass Beam, Sliding Brass Poise, Hardened Tool Steel Bearings, Azure Blue Finish, Single or Double Beam.

Single Beam Nos.	1720	1722	1724
Capacity, lbs.	400	500	600
Platform, in.	15x21	15x21	16x25
Wt., lbs.	141	150	160
Each	$26.00	28.00	32.00
	ADEJ	AEGE	AHAJ

Double Beam Nos.	2720	2722	2724
Each	$30.00	32.00	36.00
	AFIE	AHAE	BJFJ

Single Beam—Nos.	1726	1728	1730
Capacity, lbs.	800	1000	1200
Platform, in.	17x26	19½x27	20x28
Wt., lbs.	175	190	210
Each	$37.00	41.00	46.00
	BABJ	BCFJ	BFFE

Double Beam—Nos.	2726	2728	2730
Each	$41.00	45.00	50.00
	BCFJ	BFJJ	BIFE

PHYSICIANS' OR BATH ROOM SCALES.

No. 100 [illegible].

The [illegible] has no loose weights, all computing being done on the brass beams which are marked on both sides so that the weight may be noted from either side. The [illegible] can be furnished with or without the telescope measuring rod which is attached to the pillar by two nickel plated clamps with invisible joints.

The [illegible] has a single beam and loose weights, and is furnished only with the measuring rod. The materials used in this scale are a trifle lighter than the [illegible].

The [illegible] and [illegible] Physicians' and Bath Room Scales are [illegible] of the very best material throughout, and are finished in the most artistic and pleasing designs. Very highly adapted for the Hospital, Sanitarium, Office or Home. Especially useful in bathrooms to obtain true personal weight without clothing. This is in all cases desirable, and in many cases medically necessary. Individuals can readily note accurately and frequently any slight change in weight. They are guaranteed to be absolutely correct in every detail.

No. 100 [illegible]—Capacity 300 lbs., all sown on beams, platform 12x15½ in., height over all 58 in., finished in white with best quality heavily nickel plated brass fittings throughout, w't each 85 lbs.,
each, with measuring rod.....BGFE $49.00
each, without measuring rod.....BDAE 42.00

No. 115 [illegible]—Capacity 300 lbs., 250 lbs. shown on beams, 50 lbs. upon weight, platform 10½x13 in., height over all 59 in., w't each 80 lbs., finish same as No. 100 [illegible].....each, with measuring rod BCJJ $44.00
each, without measuring rod.....AIJJ 41.00
Rubber Platform Mats, for above.....each JFJ $1.00

No. 125 [illegible]—Capacity 300 lbs. platform 11x14 in., height over all 54 in., w't 85 lbs., finished in white and gold, nickel plated brass fittings throughout.....each AEEJ $57.00
Furnished only with measuring rod.

No. 125 [illegible].

FAIRBANKS' STANDARD SCALES.

GROCERS' EVEN BALANCE TRIP

Iron Base and Frame, Brass Beam, with TIN Scoop, Iron Plate and Weights, Japanned in Black, very Strong.

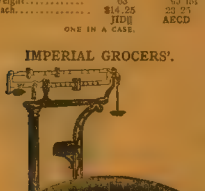
Nos.	708	707	706
Full cap'cy	8	8	10 lbs.
Beam cap'cy	8×½	16×½	16×½ oz
Weight	16	28	42 lbs.
Each	$6 00	7.75	10.00
	CIF	EAB	JFFJ
Nos.		705	922
Full capacity		8	25 lbs.
Beam capacity		16×½	32×½ oz
Weight		63	90 lbs.
Each		$12.75	20.75
		JHDJ	ACGJ

Iron Base and Frame, Brass Beam with BRASS Scoop, Iron Plate and Weights, Japanned in Red, very Strong.

Nos.	718	717	714
Full cap'cy	2	6	10 lbs
Beam cap'cy	8×½	16×½	16×½ oz
Weight	16	28	42 lbs
Each	$7 00	8 75	11 00
	DFB	EGH	JGBF
Nos.		713	924
Full capacity		16	25 lbs
Beam capacity		16×½	32×½ oz
Weight		63	90 lbs
Each		$14.25	20.25
		HDJ	ABCD

ONE IN A CASE.

IMPERIAL GROCERS'.



Frame and Base of Iron, Double Brass Beam, Heavily Nickel Plated, Upper Bar 30 lbs. ×1 oz., Lower Bar 60×½ lbs., Capacity 250 lbs. ×1 oz., Platform 12 ×12 in., with Scoop and Scoop Balance, Japanned in Red.

No. 505—Large tin scoop, w't 32 lbs., each $24 00
No. 507—Large brass scoop, w't 83 lbs., each ..... AFEJ 25 00
No. 509—Large seamless tin scoop, w't 32 lbs. ..... each AFEJ 25.00
No. 511—Large seamless brass scoop, w't 83 lbs. ..... each AGHS 27.00

ONE IN A CASE

GROCERS' TRIP.

AGATE BEARINGS, Iron Base and Frame, Bronzed and Ornamented Pivot Guard, Side Beam and Weight Plate are of Solid Brass Heavily Nickel Plated, Heavy Brass Scoop Supported on a Four Rubber-Tipped Pronged Fork, Hardwood Base Board, with a Velvet Lined Recess to Receive Weights.

No. 737A—Capacity 25 lbs.×½ oz., complete with nickel plated weights, w't 30 lbs. ..... each CJBE $50.00
No. 738A—Capacity 15 lbs.×½ oz., complete with nickel plated weights, w't 30 lbs. ..... each BBCJ 36.00

ONE IN A CASE

TRIUMPH.

Iron Base and Platform, Black Japanned, Brass Beam, with Deep Graduations, Scoop Supported by a Four Pronged Fork, with Poise and Weights, Capacity 240 lbs.

No. 500—Single beam, with tin scoop, w't 57 lbs. ..... each JCJ $14 00
No. 502—Single beam, with brass scoop, w't 58 lbs. ..... each JIJ 15.00
No. 504—Double beam, with tin scoop, w't 58 lbs. ..... each JIJ 15.00
No. 506—Double beam, with brass scoop, w't 59 lbs. ..... each AJEF 16.00

ONE IN A CASE

BUTTER COUNTER.

Iron Base, Brass Beam, Porcelain Plate, Japanned, with Poise, Balance and Weights.

No. 504—*Single beam*, capacity 25 lbs.×½ oz., beam 3 lbs.×½ oz., w't 39 lbs. ..... each JFIC $10 50
No. 506—*Double beam*, capacity 24 lbs.×½ oz., beam 3 lbs.×½ oz., w't 42 lbs., each ..... JGEI 11 50

These scales are adapted to grocery and delicatessen stores

ONE IN A CASE

INVINCIBLE GROCERS'.

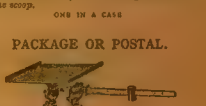
Iron Base and Frame, Double Brass Beam with Sliding Brass Poises, AGATE BEARINGS, Automatic Scoop Balance, Suspension Bearing 15×12 in. Platform, Elegantly Finished in Vermilion, Suitably Ornamented, with Heavy Seamless Brass Scoop, all Brass Parts Nickel Plated.

No. 501—Capacity 250 lbs.×1 oz., complete with weights, scoop and automatic scoop balance attachment, w't 125 lbs. ..... each BCAJ $15 00

The automatic scoop balance attachment eliminates all chances for errors through the removal of the scoop.

ONE IN A CASE

PACKAGE OR POSTAL.



No. 606—Capacity 4 lbs.×1 oz., iron base and frame, brass beam and sliding poise, w't 17 lbs. ..... each EBH $8 00

These scales are adapted to weighing letters, packages, books, etc., from the smallest unit upwards.

ONE IN A CASE.

EXPRESS PACKAGE.

Full Capacity Beam for Rapid Weighing.

No. 552—Capacity 55 lbs. × 1 oz., platform 10 in. × 12 in., finished in black, with ornamental shipping w't 42 lbs., each ..... AJCE $15 00

ONE IN A CASE.

10, OVB
2000 6 in. OVB
114, OVB
12, OVB
16, OVB
100, OVB
17, OVB Bartlett
17, OVB
4, OVB
43, OVB
22, OVB
51, OVB

Hammers, Pages 37 to 38 1. Trowels, Page 14. Files and Rasps, Pages 109 and 110 Bits, Page 120 Bits, Pages 114 to 118 1.
Reamers, Page 119. Braces, Page 133. Squares, Page 94.

Oil Cans, Page 879. Oilers, Pages 881 to 884. Lanterns, Pages 1001 to 1004. Boilers, Pages 869 and 870.

Automobile Inner Tubes

6500 Revo-noc Tire Pump

6707

6265 Fender Patch

6248

6752

6138 Tool Kit

7680

Automobile Tires—Pages 2361 and 2362. Tire Pump, Page 2360. Vulcanizer, Page 2361. Puncture Patch, Page 2364. Spark Plugs, Pages 2337 and 2338. Tire Tale, Page 2360. Tool Kits, Pages 2352 and 2353. Soap, Page 2354.

HUNTING AND CAMPING KNIVES AND FORKS.

OUR VERY BEST, FOLDING.

One Blade, Glazed, 4½ Inches, Iron Lined, Length Closed 6½ Inches.

No. 144 CVD—Cocoa handle, single blade . . . . . per dozen JGHJ $13 00

No. 145 CVD—Cocoa handle, double bolster . . . . . per dozen JHDJ 14 00

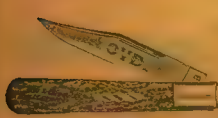
No. 146 CVD—Stag handle, double bolster . . . . . per dozen JHOJ 14 50

Lock Back.

No. 156 CVD—1 blade, half polished, 4 . . stag handle, brass lined, ... per dozen AEJJ $25 00

Lock Back.

No. 127 CVD—1 blade, glazed, 3¾ in., . . . brass lined, length closed 5¼ in. . . . . per dozen JBJ $16.00



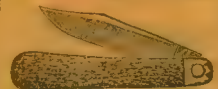
Lock Back.

No. 143 CVD . . . . . 3½ . . . . . length . . . . . per . . . . JBJ $.6 00

HALF DOZEN IN A BOX

PRESS BUTTON, FOLDING.

No. 943—1 blade, polished, 3 in., stag handle, iron lined, length closed 4 in. per dozen . . . . . JGBJ $12 00



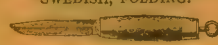
No. 944 . . . . polished, 3¾ in., stag handle, iron lined, length closed 4¾ in. . . . . per dozen JBDJ $14.00.

No. 953—1 blade, polished, 3¾ in., stag handle, iron lined, patented, self-adjusting, German silver guard, length closed, 4¾ in. . . . . per dozen AADJ $10.00

By pressing the button shown in bolster, the blade will fly open and become firmly locked in place. To close the blade it is necessary first to press the button.

HALF DOZEN IN A BOX.

SWEDISH, FOLDING.



No. 03.

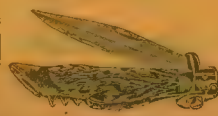
One Blade, Full Polished, Highest Grade Steel, Birch Wood Handle, Brass Lined, Ring At End for Chain.

No. 02—Length closed 3¾ in., blade 3 in. . . . . per dozen JGBJ 12 00

No. 01—Length closed 4½ in., blade 3½ in. . . . . per dozen JGBJ 12.00

HALF DOZEN IN A BOX.

GERMAN FOLDING.



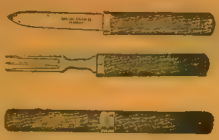
Deerfoot Handle, Brass Lined, Lock Back and Guard.

No. 4839—1 blade, polished, 4¾ in., 2nd cork screw, length closed 5¾ in. per dozen . . . . . BJAJ $.4 50

No. 0166—1 blade, polished, . . . length closed 4¾ in., . . . ring on end for chain, per . . . ABFJ 21 00

HALF DOZEN IN A BOX.

CAMPING KNIVES AND FORKS.



No. 70—2 pieces, knife and fork, cocobolo handles, 3⅝ in. polished steel blade and fork, brass ferrules, length 7¾ in., per dozen . . . . . CCJ $3 50

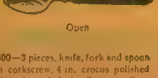
HALF DOZEN IN A BOX.

No. 0602—2 pieces, knife and fork, 3½ in., brass lined, stag handle, joins and opens like an ordinary pocket knife, fine quality steel blade and fork, polished, German silver bolster, per dozen . . . . . JBFJ $16.00

HALF DOZEN IN A BOX.

CAMPING KNIFE, FORK AND SPOON.

Closed



Open

No. 0800—3 pieces, knife, fork and spoon with corkscrew, 4 in. crocus polished steel knife and fork, German silver spoon and bolster, brass lined, buffalo horn handle. . . . . per dozen AIHJ $33.00

A splendid article for camp use.

ONE IN A BOX.

MISCELLANEOUS KNIVES.

ONE ARM MEN'S KNIVES.

No. 735 GVB—Solid ebony handle, extra finish, finest quality blade, full length 8½ in., w't per doz. 1½ lbs., per dozen .....ABFJ $21.00

ONE DOZEN IN A BOX

HUNTING KNIVES.

GVB

No. 7803 GVB Extra finish, finest quality scored ebony handle, metal bolster, 6 in. polished and swaged blade, without sheath, per dozen .....CIJ $6.50

No. 400—Scored cocobolo handle, 6 in. polished and swaged blade, without sheath .....per dozen AHJ $3.00

No. 1784—Genuine deerfoot handle, solid steel guard and metal bolster, 6 in silver steel blade, with sheath, per dozen .....EDJ $9.00

ONE-HALF DOZEN IN A BOX.

HUNTING KNIVES.

GVB

Stag Handle, German Silver Guard, Hand Forged Crucible Steel Blade, Crocus Polished, Leather Sheath.

No. 7374 GVB—4 in. blade, clip point, per dozen .....JFJJ $10.00

No. 7375 GVB—5 in. blade, clip point, per dozen .....JFFJ $11.00

No. 7376 GVB—6 in. blade, clip point, per dozen .....JGHJ $13.00

When ordering No. 7376, please be careful to specify, either clip or spear point.

GVB

Laminated Leather Handle, Hard Rubber and Brass Bands, Buck Horn Butt, Hand Forged Crucible Steel Blade, Full Hollow Ground, Clip Point, Long Russet Leather Sheath.

No. 1827 GVB -

Blade, in.	5	6
Per dozen	$33.00	36.00
	AIHJ	BAFJ

GVB

No. 1194 GVB—Deerfoot handle, nickel bolster, brass guard, 7 in. clip point blade, leather sheath, per dozen .....AFBJ $27.00

ONE HALF DOZEN IN A BOX.

DAGGERS.

GVB

No. 12D-P GVB—Solid pearl handle, German silver ferrule and guard, 4 in. double edge, crocus polished blade, leather sheath, per doz. ADDJ $24.00

COTTON SAMPLING KNIVES.

GVB

No. 145 GVB—Fine beechwood handle, held in place by three large brass saw screw rivets, 5½ in. finest quality polished blade, w't per doz. 2 lbs., per dozen .....DEJ $7.50

No. 167 GVB—Cocobolo handle, one folding blade, iron lined, length 4½ in., w't per doz. 3 lbs., per dozen .....EAJ $8.50

ONE-HALF DOZEN IN A BOX.

WOOD BENCH PLANES

SMOOTH

	Each
Beechwood, Plain Finish.	
No. 3 -8 in. Long, 2 to 2⅜ in. Double Iron, Polished Start, Average Weight Each 2¼ Lbs.	$0.90

HANDLED SMOOTH

	Each
Beechwood, Plain Finish.	
No. 5—8 in. Long, 2 to 2⅜ in. Double Iron, Solid Handle for Right Hand, Average Weight Each 2½ Lbs.	$1.75

NOTE—When Ordering, Always State Size of Iron Wanted.

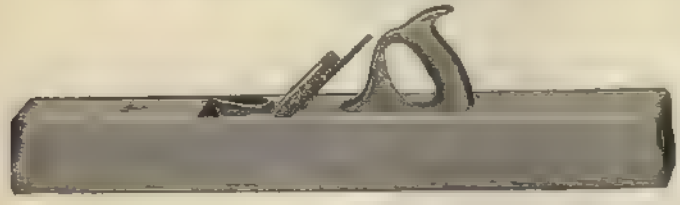
JACK

	Each
Beechwood, Plain Finish.	
No. 15 16 in. Long, 2 to 2⅜ in. Double Iron, Polished Start, Average Weight Each 4½ Lbs.	$1 00

FORE

	Each
Beechwood, Plain Finish.	
No. 21 22 in. Long, 2⅜ to 2⅝ in. Double Iron, Polished Start, Average Weight Each 7 Lbs.	$1 70

NOTE—When Ordering, Always State Size of Iron Wanted.



JOINTER

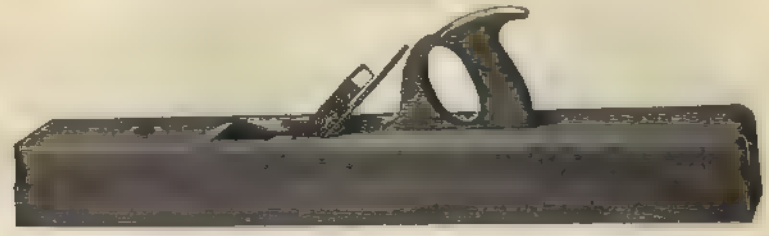
No. 27—Beechwood, Plain Finish, 2½ to 2⅝ in. Double Iron, Polished Start.

Length, Inches	26
Each	$1.80

Average Weight Each 8 Pounds

NOTE—When Ordering, Always State Size of Iron Wanted.

JOINTER



No. 27A—Beechwood, Plain Finish, 2⅜ to 2⅝ in. Double Iron, Polished Start.

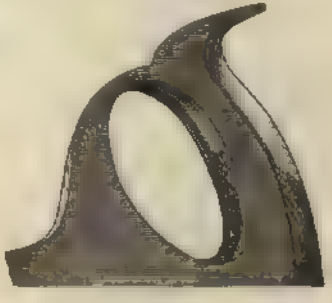
Length, Inches	28	30
Each	$1.90	2.15

Average Weight Each 8 Pounds

NOTE—When Ordering, Always State Length and Size of Iron Wanted.

PLANE HANDLES

For Wood Bench Planes.

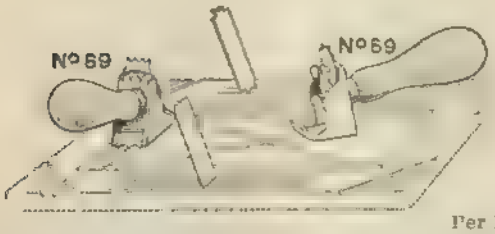


	Per Dozen
No. 985—For Jack Planes, Beechwood, Plain Finish	$1.00
Weight Per Dozen 3 Pounds.	

	Per Dozen
No. 988—For Fore and Jointer Planes, Beechwood Plain Finish	$1.50
Weight Per Dozen 4½ Pounds.	

HAND BEADERS

STANLEY'S SINGLE HANDED



Per Dozen

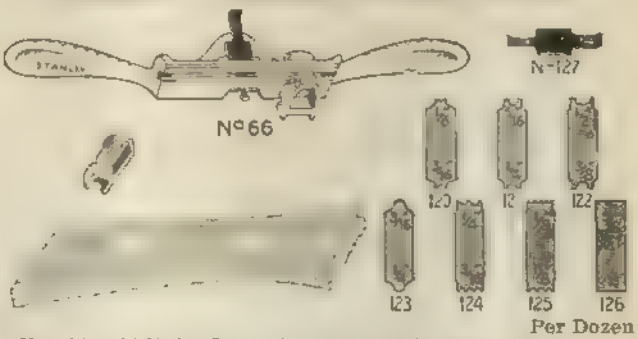
No. 69—5 in. Long, Nickel Plated Metal Body, Maple Handle, Complete with 6 Steel Cutters and One Blank. Weight Per Dozen 4½ Lbs. **$9.00**

A very handy little article. With it one can do all kinds of straight beading, reeding or fluting. Both ends of the cutters are sharpened, thus embracing six ordinary sizes of beads, two fluters and four sets of reeds.

The sample of work shown in connection with the tool illustrates some of the usages to which it can be put.

One-twelfth Dozen in a Box.

STANLEY'S UNIVERSAL DOUBLE HANDED



Per Dozen

No. 66—11½ in. Long, Nickel Plated Metal Body, Raised Handles, Complete with 7 Steel Cutters and One Blank, a Square Gauge for Straight Work and an Oval Gauge for Curved Work. Weight Per Dozen 16½ Lbs. **$12.00**

For beading, reeding or fluting straight or irregular surfaces and for light routering.

Both ends of the cutters are sharpened, thus embracing six ordinary sizes of beads, two fluters, four sets of reeds and a double router iron

One-twelfth Dozen in a Box.

CORNERING TOOLS

STANLEY'S

Used by Pattern Makers and all Wood Workers for rounding sharp corners.

They have a different size cutter at each end and their form is such that no depth gauge is required.

Crucible Tool Steel, Polished.

Per Dozen

No. 28—5½ in. Long, ⅛ and ⅜ in. Cutters, Weight Per Dozen 1½ Lbs. **$3 00**

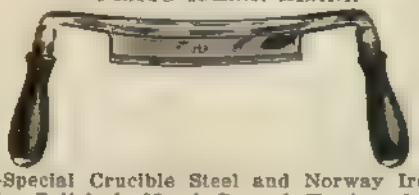
Per Dozen

No. 29—5½ in. Long, ⅛ and ¼ in. Cutters, Weight Per Dozen 1½ Lbs **$3.00**

One-half Dozen in a Box

DRAWING KNIVES

PEXTO RAZOR BLADE



No. 15—Special Crucible Steel and Norway Iron Razor Blade, Polished. Metal Capped Hardwood Handles, Heavy Steel Ferrules.

Blade, Inches.	7	8	9	10	11	12
Wt. Doz., Lbs.	12½	13½	14	15	15½	16½
Per Dozen...	$13.50	13 50	14.40	15 60	18.00	18.00

One-half Dozen in a Box

WILKINSON'S FOLDING HANDLE

Forged Tool Steel Razor Blade, 1½ in. Wide, Tempered and Polished, Polished Steel Shanks, Oil Finished Hardwood Handles, Tangs Extended Through Handles and Riveted at Ends.

Length of Blade, Inches...	6	8	10
Weight Per Dozen, Lbs....	11	16	20
Per Dozen	$21.00	24 00	30 00

One-half Dozen in a Box.

DRAWING KNIVES

JENNINGS SMALL

Per Dozen

No. 48—10¼ in. Long Over All, 4 in. Polished Crucible Steel Blade, Round Ebonized Wood Handles, Heavy Steel Ferrules, Weight Per Dozen 3½ Lbs. **$5.00**

An excellent little tool for manual training work. May be used instead of a spoke shave.

One-half Dozen in a Box.

DRAW KNIFE CHAMFERER GAUGES

BULLOCKS'S

Cut Shows Gauges Attached to Blade.

Per Dozen

No. 5—Nickel Plated, 1 in., Fits ⅜ to 1 in. Blades, Cannot Injure the Cutting Edge **$7.00**

One-twelfth Dozen in a Box.

LAMPS

*GIANT ASSORTMENT—TWELVE LAMPS

Twelve Fancy Pressed Glass Lamps; Fancy Scroll Design Pressed Globe Chimneys. All are Fitted with the Famous Riverside Cluch-On Collars will not Loosen or Come off Furnished Complete with Premier No. 2 Burners and No. 2 Chimneys, but without Wicks.

Elaborate Scroll Design Base, Fount and Chimney

Extra Large Mammoth Style Sewing Lamp

Per Assortment

*GIANT ASSORTMENT Contains Twelve Lamps (Mammoth Sewing Style), Height to Top of Collar 9 inches Height to Top of Chimney 16 inches, Capacity of Fount 9½ Pints Furnished with Riverside Cluch On Collars No. 2; Complete with No. 2 Premier Sun Burners and No. 2 Chimneys, but without Wicks $12.00

Sold in Complete Assortments Only.

One Assortment in a Three; Shipping Weight 85 lbs. No Additional Charge for Packing.

LAMPS

*SINGER SEWING LAMP ASSORTMENT—FIFTEEN LAMPS

Fifteen Lamps in The Very Latest Design, with Large Oil Receptacle and Base. Three Complete Lamps of Each Style as Illustrated.

No. 101D 3
Height 19 Inches

No. 101D 4
Height 19 Inches

No. 101D 2
Height 19 Inches

All of these Lamps Fitted with Shrunk-On Collars.

PLAIN CRYSTAL GLASS

LATEST DESIGNS

Per Assortment

*Singer Sewing Lamp Assortment—Contains 15 Lamps as Described Above 3 of Each Style; Complete with No. 2 Sun Burners, No. 2 Sun Large Globes, Chimneys and without Wicks . $10.00

Sold in Complete Assortments Only. One Assortment in a Barrel Shipping Weight, 100 Pounds.

No Additional Charge for Packing.

No. 99E
Height 19½ Inches

No. 100E
Height 19½ Inches.

"DIAMOND EDGE IS A QUALITY PLEDGE"

LAMPS

***CRYSTALITE ASSORTMENT—FIFTEEN LAMPS**

Fifteen Clear Crystal Glass Lamps, Assorted; Three of Each Size Illustrated; Complete with Burners and Chimneys. Assorted, Assembled and Packed at the Factory by Expert Packers.

No. O

No. A

All Numbers are Fitted with Shrunk-On Collars

Nos. O and A Have No. 1 Collars and Are Furnished with No. 1 Sun Burners and Chimneys

No. B—10½ Inches

No. C—13½ Inches

No. D—16½ Inches

Nos. B, C and D Have No. 2 Collars and Are Furnished with No. 2 Sun Burners and Chimneys

*Crystalite Assortment—Contains Fifteen Lamps, Three of Each Size Illustrated Above, Complete with Burners and Chimneys — Per Assortment $10.00

Sold in Complete Assortments Only

One Assortment in a Barrel. Shipping Weight 75 Pounds. No Additional Charge for Packing

LAMPS

***MANY USE ASSORTMENT—FIFTEEN LAMPS**

Fifteen Attractive Pure white Crystal Glass Lamps, Assorted; Three of Each Size Illustrated. Complete with Burners and Chimneys.

The Many Use Assortment is Assorted, Assembled and Packed at the Factory. This We Deem a Great Convenience to Our Customers, as it Furnishes a Very Desirable Assortment of Complete Lamps Thoroughly Well Packed by Expert Packers the Lamps Reaching You in Better Condition Than if Opened and Repacked.

No. E—16 Inches

All Numbers Are Fitted with Celebrated Riverside Clinch-on Collars Guaranteed Not to Come Off

No. A—12 Inches

Nos. E and A Have No. 1 Collars and Are Furnished with No. 1 Sun Burners and Chimneys

No. B

No. C

No. D—9 Inches

Nos. B, C and D Have No. 2 Collars, and Are Furnished with No. 2 Burners and Chimneys

*Many Use Assortment—Consisting Fifteen Lamps, Three of Each Size Illustrated Above Complete with Burners and Chimneys — Per Assortment $8 00

Sold in Complete Assortments Only

One Assortment in a Barrel. Shipping Weight 75 Pounds.

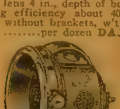
No Additional Charge for Packing

"DIAMOND EDGE IS A QUALITY PLEDGE"

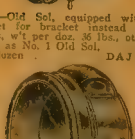
BICYCLE AND MOTORCYCLE LAMPS, ETC.

MOTORCYCLE LAMPS.

No. 1—Old Sol, heavy gauge brass, full nickel plated and polished, adjustable focus, powerful lens, mirror reflector, burner ⅜ ft. size, diam. of door 6½ in., diam. of body 4¾ in., diam. of mirror lens 4 in., depth of body 4 in., lighting efficiency about 400 candle power, without brackets, w't per doz. 36 lbs. .....per dozen **DAJE** $68.40



No. 2—Old Sol, equipped with rear socket for bracket instead of side props, w't per doz. 36 lbs., otherwise same as No. 1 Old Sol, per dozen . **DAJE** $68.40



No. 17—"Old Sol," heavy gauge brass drawn from one piece of metal, door frame of special beaded construction, set upon ball pin hinges, diam. of door 7 in., diam. of lens 5 in., 1000 candle power, without brackets, w't per doz. 36 lbs., per dozen .....**EBHJ** $88.08

Has special German lava burners, automobile type, heavy double thick door glasses, and specially ground Mangin mirror lenses.

No. 16—Old Sol, equipped with rear socket for bracket instead of side props, w't per doz. 36 lbs., otherwise same as No. 17 Old Sol, per dozen .....**EBHJ** $88.08

ONE IN A BOX.

MOTORCYCLE LAMPS.

No. 8—Old Sol, heavy gauge brass, full nickel plated and polished, adjustable focus, height over all 9 in., diam. of door 8½ in., diam. of lens 6 in., total depth 6½ in., lighting capacity about 1500 candle power, without brackets, w't per doz. 60 lbs., per dozen .....**JFBCE** $103.92

A large handsome lamp for the highest powered and fastest machines. The most intense and greatest candle power lamp yet devised for motorcycles and equipped with the celebrated Mangin mirror lenses.

BICYCLE ELECTRIC HEADLIGHTS.

No. 298—Reliable, detachable, one ordinary dry battery, outfit consists of headlight of drawn steel, fitted with Tungsten bulb and high grade lens, excellent reflector, battery container of black enameled steel, weatherproof, complete, without battery, w't per doz. 18 lbs. ....per dozen **AIDE** $32.40

Controlled by small screw switch. Gives cheapest, brightest and best light, saves dirt, smell, heat and bother of oil or gas lamps. Battery same as used on doorbells, telephones, etc.

ONE IN A BOX.

TAIL LAMPS.

No. 9—Old Sol, heavy gauge brass, full nickel plated and polished, diam. 4 in., red rear light and side jewels, *complete with brackets*, w't per doz. 10½ lbs.....per dozen **AEAJ** $25.2.

CARBIDE BURNERS.

No. 2—Fish tail flame, for lamps using large size lava tips, fits all standard bicycle lamps, per dozen.....**JFJ** $1.00

LOOSE.

MOTORCYCLE LAMP BURNERS.

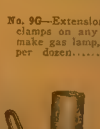
Alco Hexo, nickel plated brass base, made in ⅛, ¼, ⅜ and ½ ft. gas consumption, fits all standard motorcycle lamps, the highest candle powered burner made, per dozen...**BAJ** $3.50

Alco Cyco, for motorcycle lamps, fits ⅛, ¼, ⅜ and ½ ft. gas sizes, per dozen, **AHJ** $3.00

A cheaper and very popular style.

LAMP BRACKETS.

No. 9G—Extension, nickel plated steel, clamps on any handle bar, fits any make gas lamp, w't per doz. 2½ lbs., per dozen.....**BAJ** $3.50

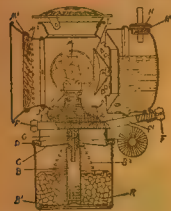


No. 7—Steel, full nickel plated, felt lined, for 1¼ to 1⅝ in. head, w't per doz. 10 lbs. per dozen, JHE $1.40

Screw brackets are necessary to easily fasten this well to any standard make lamp

LAMP REPAIRS, BRACKETS, MOTORCYCLE STANDS, ETC.

REPAIRS FOR No. 218 SOLAR ACETYLENE GAS LAMPS.



KEY	NAME OF PART	PER DOZEN.
A	Burner tube	$2.88
B	Screen tube plate	2.88
B2	Carbide spring	2.88
C	Washer plate	1.68
C1	Washer plate nut	1.68
D	Rubber washer	1.68
E	Fibre wick	1.68
F	Wick tube cap	1.68
F1	Wick tube	2.88
G	Water valve	9.60
G1	Water valve washer and nut	1.68
H	Filler cap	2.88
H1	Filler cap washer	.84
I	Tip holder	2.88
J	Tip	3.60
K	Ratchet screw	2.88
L	Reflector	2.88
M	Jewel (red or green)	4.20
M1	Lens doors	4.80
M2	Lens	6.00
N	Bracket complete	14.40
O	Bracket side R H	4.20
O1	Bracket side L H	4.20
P	Clamp thumb screw	2.88
Q	Clamp thumb screw nut	1.68
R	Carbide tank	9.60
S	Ratchet screw thumb nut	1.88
T	Pivot bolt	2.88
U	Pivot bolt nut	1.68
V	Ratchet arm	4.20
W	Bracket lining	1.68

In ordering repair parts, please refer to cross section cut and key letters.

MOTORCYCLE LAMP. BRACKETS.

No. 44—Regular standard bracket for motorcycle light, made of cold rolled steel ⅝ inch diameter, clamps of stamped cold rolled steel, nickel plated and polished, clamps have wide range of adjustment, taking a tube of ⅞ to 1⅝ in., by bending a trifle will take up to 1¾ in. tubing, w't per doz. pr. 12 lbs., per dozen pairs .....**CFJ** $6.00

For Old Sold and other lamps.

MOTORCYCLE LAMP BRACKETS.

No. 46—With clamps as shown in cut, otherwise same as No. 44, w't per doz. pr. 12 lbs., per dozen pairs **CFJ** $6.00

No. 48—Expressly designed for the Excelsior machine, fits on the front braces, extending in a sloping way forward, from handle bar, made of same quality steel as Nos. 44 and 46, w't per doz. prs. 15 lbs., per dozen pairs .....**EGE** $9.00

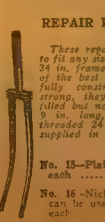
For Old Sold and other lamps.

REPAIR HANGERS.

The Stevens repair hanger is the only crank hanger that will absolutely fit every size bracket. The material is of highest quality and the workmanship and finish perfect. Will replace any hanger made.

No. 2—Stevens, drop forged from carbon steel, shaft and one crank are one piece, the other has thread to screw on end of shaft, will fit every size bracket, tool steel cones, 24, 26x⅝ in sprocket adapted to ⅞ in chain, heavily nickel plated and highly polished through out, w't 2½ lbs. .....each **BGJ** $4.50

REPAIR FORKS.



These repair forks are made to fit any size bicycle, 20, 22 or 24 in. frame. They are made of the best steel tubing, carefully constructed and very strong, they are brazed and filled but not enameled, stems 9 in. long, 1 in. diameter, threaded 24 thread for 5 in. supplied in two finishes.

No. 15—Plain, not enameled, each .....**AAJ** $1.80

No. 16—Nickel plated finish, can be used on any bicycle, each .....**AFJ** $2.70

MOTORCYCLE STANDS.

No. 300—Quick Action, steel, firmly riveted, height 17 in., fits any motorcycle, when folded is attached to bracket on the end of mud guard, w't 2½ lbs., each **BAE** $3.60

Protects the machine in rear from collision and is entirely out of the way when folded.

QUICK ACTION BICYCLE STANDS.

Can be fitted in two minutes to any bicycle whether with mud guards or not. No drilling of holes, no marring of enamel, no tools, but a wrench needed to fit.

It can be used as a display stand.

Motorcycle Pattern, made of drop forged channel steel, w't 24 lbs., per dozen. $10.80 **AJAJ**

MUD GUARDS.

No. 555—Heavy sheet steel, raised centers, enameled black, nickel plated braces on front and rear, front guard 24 in. long, rear 46 in. long, w't per pr. 2 lbs., ...per pair **BJ** $0.80

L0052.

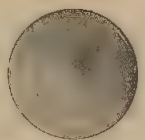
MUD GUARD BRACES.

No. 16—Flat, with riveted ends, otherwise same as No. 15, per dozen .....**ABJ** $2.00

No. 26—Double folding, adjustable and can be used on front or rear guards, cold rolled steel, nickel plated, per dozen .....**BAJ** $3.50

EXTRA LENSES FOR BICYCLE LAMPS

GAS



	Each
No. M3—For Model O Solar, Diameter 2 3/8 Inches, Weight 1¼ ozs...	$0 60
No. 1 —For 10th Century: Diameter 2¾ Inches, Weight 2 ozs.....	.60
No. 8 —For Searchlight, Diameter 2¾ Inches; Weight 1¾ ozs.....	.60
No. T2—For No. 116 Steerne Diameter 3¼ Inches; Weight 1¾ ozs..	.60

Loose

BICYCLE LAMP PARTS

FOR MODEL O SOLAR GAS

NOTE—Always Specify Model of Lamp When Ordering

	Each
	$0 20
✣No. H —Screen Tube; Weight 1 oz..	20
✣No. B3—Screen Tube Plate; Weight 1 oz..	20
✣No. 3B—Carbide Spring; Weight 1 oz.	10
✣No. G —Washer Plate; Weight 1 oz.	10
✣No. G3—Washer Plate Nut..	10
✣No. D Rubber Washer	10
✣No. E —Fibre Washer.....	10
✣No. F —Wick Tube Cap; Weight ½ oz	25
✣No. F3—Wick Tube; Weight 1 oz.	50
✣No. G —Water Valve; Weight ½ oz.	10
✣No. G1—Valve Washer and Nut	20
✣No. H —Filler Cap; Weight ½ oz	05
✣No. H1—Cap Washer	30
✣No. I —Tip Holder; Weight ½ oz	20
✣No. J —Tip; Weight ½ oz.	20
✣No. K —Retainer Screw, Weight ½ oz...	20
✣No. L —Reflector, Weight 1 oz.	20
✣No. M —Jewel, Red or Green, Weight 1 oz. ..	05
✣No. M1—Lens Disc; Weight 2 oz.....	30
✣No. N —Bracket, Complete, Weight 6 ozs..	1 15
✣No. O —R. H. Bracket Side; Weight 2 ozs..	.25
✣No. O1—L. H. Bracket Side; Weight 2 ozs	25
✣No. P —Cheap Thumb Screw; Weight 2 ozs	10
✣No. Q —Thumb Screw Nut; Weight ½ oz.	10
✣No. R —Catch& Tank Weight 3 ozs	.10
✣No. S —Ratchet Screw Nut	20
✣No. T —Pivot Bolt Weight ½ oz	10
✣No. U —Pivot Bolt Nut.....	25
✣No. V —Ratchet Arm Weight 2 ozs.	10
✣No. W —Bracket Lamp	10

Loose

NOTE—Items Marked ✣ not Carried in Stock; Can only be Furnished by Shipping Direct from Factory, Solar Parts from Kenosha, Wis.; 20th Century Parts from Newark, N. J.

FOR TWENTIETH CENTURY GAS

	Each
✣No. 1 —Red Front Glass; Weight 2 ozs.....	$0 40
✣No. 2 —Green Front Glass; Weight 2 ozs....	.40
✣No. 4 —Front Glass Circle Wire; Weight ½ oz.	.10
✣No. 61—Lava Tip with Metal Cap, Weight 1 oz	.60
✣No. 63—Aluminum Reflector; Weight ½ oz.	.10
✣No. 65—Reflector Wire, Weight ½ oz. 3 For	.10
✣No. 66—Door Hinge and Rivets; Weight 1 oz.	.25
✣No. 67—Door Catch and Rivets, Weight 1 oz.	.30
✣No. 69—Screw Wire Stopper; Weight ½ oz.....	.40
✣No. 69—Water Valve Rod, Weight 1 oz.	20
✣No. 73—Water Valve Arm, Weight ½ oz.	.20
✣No. 74—Water Valve Octagon Nut	.20
✣No. 75—Water Valve Leather 3 For	10
✣No. 76—Lens Screw 3 For	10
✣No. 77—Thumb screw Washer	10
✣No. 79—Wing Nut Bolt, Weight 2 ozs....	.50
✣No. 85—Door and Glass, Weight 4 ozs	.50
✣No. 91—Framed Side Jewel; Weight 1 oz....	20
✣No. 92—Clearance Cap, Weight 1 oz. ..	30
✣No. 93—Reservoir Plate, Weight .. oz	05
✣No. 95—Body, Including Parts Nos. 60, 89, 92 and 93, Weight 2 lbs	$ 70
✣No. 96—Carbide Chamber; Weight 3 ozs	.70
✣No. 97—Rattleless Cap Weight 2 ozs.	.10
✣No. 98—Cloth Cover Tube Weight 2 oz.	20
✣No. 99—Spring Double Door, Weight 1 oz.	30
✣No. 90—Bottom Thumb Screw, Weight 1 oz.	40
✣No. 91—Stand and Wing Nut Bolt; Weight 3 oz...	75
✣No. 92—Wing Nut Bolt. Weight 1 oz.	30
✣No. 94—Water Reservoir Weight 4 ozs.	1 20

Items Marked ✣ Not Carried in Stock, Can Only be Furnished by Shipping from Factory, Old Sol from Bridgeport, Conn., and Solar from Kenosha, Wis.

"DIAMOND EDGE IS A QUALITY PLEDGE"

MOTORCYCLE LAMPS

OLD SOL—WITHOUT GENERATORS

The Roping Rounded Hood and well Proportioned Body gives a very Pleasing and Symmetrical appearance. Finely Nickel Plated on Heavy Gauge Brass Inside Lacquered Optics, Black. Focus can be adjusted, a slot in Bottom of Lamp Permits the moving of burner, so by Varying the Distance from Reflector either a Strong Concentrated Light or a Diffused one may be obtained.

WITH SIDE SOCKET

Each

✣No. 17—Without Brackets, 1 000 Candle Power Diameter of Door 7 in., Diameter of Lens 5 in.; Depth of Body 6 in. Weight each 3 lbs. $2 50

One in a Carton

Each

No. 8—Without Brackets. 7,000 Candle Power, Diameter of Door 8 inches, Diameter of Mirror Lens 6 inches, Depth of Body about 6½ inches, Weight Each 4 lbs. $9.00

SOLAR HEADLIGHT

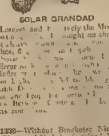
SOLAR GRANDAD

The Largest and Handsomest of the Most Powerful Lamps ever brought to the Market. Made of brass throughout with Nickel or Black Finish, 8½ inches high, 6 inches wide. Has Double Lens Mirror and Powerful Burner. Burns Kerosene or Gasoline. Has Automatic Safety Valve. Is Simple and Durable. Can be used in any position. Will burn Gas and Gas Tank.

Each

✣No. 1330—Without Brackets; Nickel or Black and Nickel as Specified. Weight 4½ lbs. $10 00

One in a Box



SOLAR DAD

The Most Powerful Lamp in Size or Construction Completely Portable, all Brass. Is a Wonderful Headlight for Automobiles, Launches or Other Power Boats. Has Automatic Safety Valve and Automatic Filling Device. Burns Kerosene or Gasoline. Has Double Lens Mirror and Powerful Burner. Burns Gas with Maximum Brilliancy with Accessory Fields of Light. Has Side Jewel so each Side, the Engineer Knows How Engine is Running. Is Simple and Durable. Can be used in any position. Will burn Gas and Gas Tank.

Each

✣No. 1335—Without Brackets; Nickel or Black and Nickel as Specified. Weight 3½ lbs. $7.00

One in a Box

SOLAR SON

The Latest and Most Powerful Lamp for Motorcycle or Light Car Headlight. Made of brass throughout with Nickel or Black Finish, 6½ inches high. Has Double Lens Mirror and Powerful Burner. Burns Kerosene or Gasoline. Has Automatic Safety Valve and Automatic Filling Device. Is Simple and Durable. Can be used in any position. Will burn Gas and Gas Tank. Has Side Jewel so each Side, the Engineer Knows How Engine is Running. Has Accessory Fields of Light. Has Side Jewel so each Side, the Engineer Knows How Engine is Running. Is Equipped with ½ Foot Gas Tube and Plugs for Brackets. Has Gas Tank with Filler Cap and Can be Supplied with Gas Tank Bracket or Loop.

Each

✣No. 156—Without Brackets; Nickel or Black and Nickel as Specified, Weight 5½ lbs. $9 00

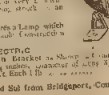
MOTORCYCLE SIDE CAR LAMPS

OLD SOL

Each

✣No. 338—Nickel Plated, With Brackets as Shown. Front Glass 3½ inches, Depth of Body 3 inches. Weight Each 1¼ lbs. $4 20

One in a Box



ELECTRIC

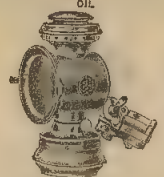
Each

✣No. 403—Nickel Plated, With Bracket as Shown. Combination Power, Front Diameter 4½ inches, Diameter of Lens 3½ inches 3 inches in Depth, Weight Each 1 lb. $4 80

BICYCLE LAMPS

OIL

20TH CENTURY



SOLAR

LIGHT WEIGHT

20th Century Lamps are all Brass, Except the Clamp, which are Steel, Nickeled and Polished, Height 7 inches, 2 inch Convex Lens, Large Reflector Parabolic Aluminum Reflector Throws a Strong Light.

Each

No. 40CO—Weight Each 1¾ lbs. $2.60

Solar Lamps are made of Heavy Gauge Sheet Brass, Nickeled and Polished Height 9 inches, 2½ inch Convex Lens, Red and Green Side Lights. On Each 2¼ Light.

Dozen

No. 9050—Weight Each 1¾ lbs. $27 00

Light Weight Lamps are made of Sheet Steel, Heavily Nickeled and Polished Height 8½ inches, 2½ inch Convex Lens, Red and Green Side Jewels; Burns about 10 hours.

Each

No. 50LO—Weight Each ¾ lb. ... $2 50

BICYCLE AND BUGGY LAMP

GAS

COLUMBIA

This Outfit is offered to the Trade to meet the demand for a Motorcycle lamp for Bicycles as well as a suitable headlight for vehicles.

Lamp—Made of Heavy Gauge Brass, Nickel Plated and Highly Polished; Equipped with Double Frame, Removable Burner; Double Convex Lens 2¾ inches in diameter; a Powerful Parabolic Reflector throws a steady, strong white Light.

Generator—Made of Heavy Brass Nickel Plated, size 1x2¾ inches, Equipped with Gas Valve for regulating Flame or turn up out entirely. Patent Self Cleaning Water Valve. Has Grating to separate used from unused Carbide. Holds 7 ounces Carbide, enough to operate lamp for 8 hours. Full Directions for operation with each lamp.

Each

No. 130 —Lamp Complete without Tubing, fitted with Bicycle Bracket, Weight each 3 lbs. ... $7.00

No. 150V Lamp Complete without Tubing, fitted with Buggy Bracket; Weight each 3 lbs. ... 7.00

NOTE—No. 130V can be Fitted with Red Lens and used as Tail Light, at no extra charge.

DRIVING LAMPS

CARBIDE

CARRIAGE LAMP

A Side Constant-Acetylene Lamp with rear **Red Signal**, having a large Capacity and throwing a spinning Light; may be used on either side of a Carriage. The Front Glass is of the same size and Interchanges with the rear Red Glass to allow use on Right or Left Side of Carriage.

Fulfills every requirement of our governing Carriage Lighting, and has special patented fea ures.

Well made from Heavy Gauge Sheet Brass, Nickel Plated and Polished; will burn 6 to 7 Hours on one charge of Carbide and Furnish a Light of about 100 Candle Power.

Each

No. 7—With Bracket; Height Over All 9¾ in., Diameter of Door 4 in., Diameter of Reflector 8 in.; Carbide Capacity 6 oz.; Weight 1½ lbs. ... $6 50

One in a Box

COLUMBIA
Red Rear
Signal and
Side Jewel

BUGGY LAMP
OIL

Made of Heavy Sheet Brass, Gun Metal Finish, 2¼ Inch Convex Lens; Height 8 inches, Weight Each 1 lb.

Each

No. 120—Fitted with Bracket for Left Side of Dash ... $5 50

No. 100—Fitted with Bracket for Right Side of Dash ... 5 50

One in a Box

BICYCLE LAMP BRACKETS

COMMON HEAD

Heavy Steel Clamp with Thumb Adjusting Screw, Double Arm and Support, Nickel Plated. Adapted to Round Lamps from 1½ to 1¾ in. Diameter.

Per Dozen

No. 6—Weight per Dozen 1¼ lbs. ... $2 50

Loose

SOLAR HEAD OR FORK

Heavy Sheet Brass, Nickel Plated and Polished. Adjustable to any Position. Fits any Size Head or Fork. Clamps Perfectly and is Practical Lamp.

Each

No. 812—Weight Each 6 ozs. ... $3 05

Loose

SOLAR DASH

This Bracket is Used for Converting a Bicycle Lamp into a Buggy Lamp, made of Heavy Sheet Brass and Lacquered. Adjustable to Either Side of Dash.

Each

No. SD—Weight Each 9 ozs. ... $1.05

Loose

SHIPP

No More Lost Sales of Lamps because the Old Brackets would not Fit. The Shipp Bracket Fits them all.

Light always in Front of Wheel. Attached in One Minute. Rigidity of Lamp when attached. Universal to all Handle Bars. Can be used as Package Carrier when Lamp is not in Use.

Made in Styles to Fit all Patterns of Handle Bars.

Malleable Iron, Nickel Plated on Copper

FOR DIRECT STEMS

Per Dozen

No. 3—Attaches to Handle Bar by Expander Nut. Weight per Dozen 2 lbs. ... $2 00

One Dozen in a Box

FOR CHICAGO IDEAL AND RUGBY BARS

Per Dozen

No. 1—Furnished with Large Bolt to attach to Handle Bar; Weight per Dozen 2½ lbs. ... $2 00

One Dozen in a Box

FOR KELLY AND HUSSEY BARS

Per Dozen

No. 2—Furnished with Special Nut to attach to Handle Bar; Weight per Dozen 2½ lbs. ... $2 50

One Dozen in a Box

BICYCLE LAMP HANDLES

SOLAR

With attachment any Arrow-head Bicycle Lamp, may be easily converted into a Hand Lamp for many purposes, especially adaptable for Foot Shooting and Even Hunting. Each

No. 5—Cast Brass, Knurled, Nickel Plated and Polished Black Rubber Composition Handle. Weight 6 ozs. ... $1.30

Loose

LAMP BURNERS

FOR MOTORCYCLE

American made of German Lava Imported from Munich Bavaria. The only material that can be used where Intense efficiency and accuracy is expected.

No. 1858-½ Foot Knurled Pillar. ... $2.00

No. 1858-¾ Foot Knurled Pillar. ... 2.10

No. 1858-¾ Foot Knurled Pillar ... 2.50

One Dozen in a Box. Weight about 4 ozs.

For All Makes of Bicycle Gas Lamps. These Parts Burn Out in a Short While, therefore it is well to carry a Stock of them so Scarcely those Clearances who Think their Lamp is Defective, when in Reality their Lamp Tip is Clogged up.

Per Dozen

No. 100—Weight per Dozen 1 oz ... $1 00

Loose

"DIAMOND EDGE IS A QUALITY PLEDGE"

ONE MAN CROSS CUT SAWS

SIMONDS' MFG. CO.'S

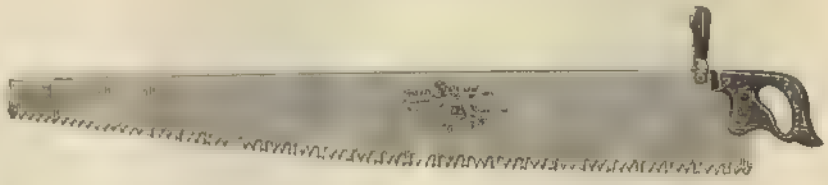
No. 111—Champion Tooth, Highest Grade Crucible Steel, Straight Ground, Selected Seasoned Beechwood Handle, Brass Screws, Beechwood Supplementary Handles.

Length, Feet	3	3½	4	4½	5	5½
Weight Each, Lbs.	2	2½	4	4½	5	6
Each, with Handles	$1.92	2.24	2.56	2.88	3.20	3.52

No. 222—Perforated Lance Tooth, Highest Grade Crucible Steel, Straight Ground, Selected Seasoned Beechwood Handle, Brass Screws, Beechwood Supplementary Handle.

Length, Feet	3	3½	4	4½	5	5½
Weight Each, Lbs.	2	2½	4	4½	5	6
Each, with Handles	$2.16	2.52	2.88	3.24	3.60	3.96

BAY STATE



No. 231—Champion Tooth, Crucible Spring Steel, Beechwood Handle, Brass Screws, Beechwood Supplementary Handle.

Length, Feet	3	3½	4	4½	5	5½
Weight Each, Lbs.	2	2½	4	4½	5	6
Each, with Handles	$1.75	2.05	2.35	2.60	2.90	3.20

HAND ICE SAWS

SIMONDS'

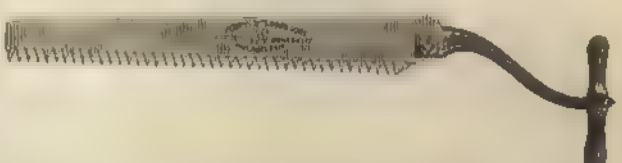
For Wagon Use.

No. 857—Plain Tooth, Crucible Steel Blade, Hardened and Tempered, Japanned Malleable Iron Handle.

Length, Inches	50
Weight Per Dozen, Lbs.	50
Per Dozen	$22.00

POND ICE SAWS

DISSTON'S



No. 75—Cast Steel Blade, Patent Ground, 11 Gauge Thick, Tapered, 7 in. Butt, 5 in. Point, Set and Sharpened.

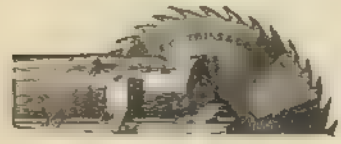
Length, Foot	4	4½	5
Weight Each, Lbs.	11	12	13
Each, without Tiller Hdl	$3 40	$ 85	4 25

TILLER HANDLES

	Each
No. 80—18½ in. Long, Japanned Malleable Iron Tiller, 16 in. Hardwood Handle, Weight Each 3½ Lbs.	$1.10

CIRCULAR SAWS

DISSTON'S

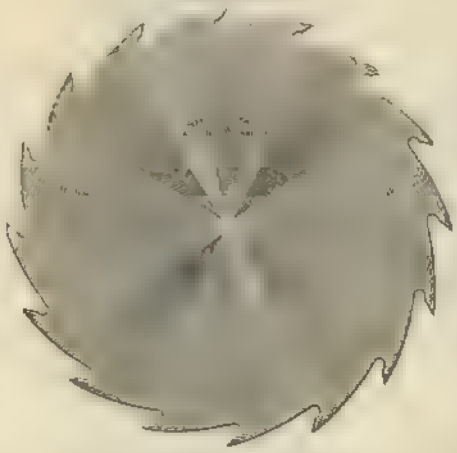


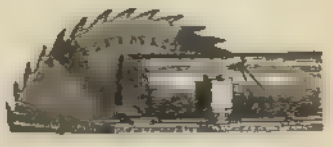
Right Hand Saw.

Hand of Saws

When in Use on Saw Mill.

Standing in front of a circular saw, with the saw revolving toward you, if the carriage upon which the log rests passes to the right of the saw, it is a right hand saw; if to the left, it is a left hand saw.





Left Hand Saw.

When Not in Use on Saw Mill.

Circular Saws 30 in. and smaller are made flat on both sides and are used as either right or left hand, saws larger than 30 in., when bevel ground, with the center thicker than the outer edge on one side and perfectly flat on the other, are "handed"; place the saw in front of you with the teeth running toward you, the flat side of saw names the "hand."

Solid Tooth, Patent Ground and Tempered, Extra Quality.

Note—When Ordering, be particular to state whether Rip or Cross Cut is wanted and Diameter of Saw in Inches

Diameter Inches	Thickness Gauge	Size of Hole, Inches	Each	Extra for each Additional Gauge Heavier	Price for Beveling New Saws, Per Gauge	Diameter Inches	Thickness Gauge	Size of Hole, Inches	Each	Extra for each Additional Gauge Heavier	Price for Beveling New Saws, Per Gauge
1	24	⅜	$ 1.00	$0 01	$0 06	36	9	1⅝	$31.00	$ 1.80	$ 1 70
1½	24	⅜	1.00	.01	.07	38	9	1⅝	35.00	2.00	1.85
2	23	⅜	1 00	01½	.08	40	9	2	41 00	2.30	2 00
2½	22	⅜	1.00	.02	.09	42	8	2	47.00	2.60	2.20
3	21	½	1.00	.02½	.10	44	8	2	55.00	3.00	2.40
3½	20	½	1.00	.03	.12	46	8	2	65.00	3.50	2.60
4	19	½	1.20	03	.14	48	8	2	75.00	4.00	2.80
5	19	⅝	1.50	.04	.16	50	7	2	85.00	4.50	3.00
6	18	⅝	1.80	.05	.18	52	7	2	95.00	5.00	3.25
7	18	⅝	2.10	.06	.20	54	7	2	105.00	5.00	3.50
8	18	⅝	2.40	08	22	56	7	2	120.00	7 00	3 75
9	17	⅞	2.80	.10	.25	58	7	2	135.00	8.00	4.05
10	16	1	3.30	.12	.28	60	6	2	150.00	9.00	4.35
11	16	1	3.90	.16	.30	62	6	2	170.00	10.00	4.65
12	15	1	4.40	.20	.35	64	6	2	190.00	12.00	5.00
14	14	1⅛	5.30	.25	.40	66	6	2	210.00	15.00	5.35
16	14	1⅛	6.50	.30	.50	68	5	2	235.00	18.00	5.75
18	13	1¼	8.00	.40	.60	70	5	2	265.00	21.00	6.15
20	13	1¼	9.50	.50	.70	72	5	2	300.00	24.00	6.55
22	12	1⅜	11.50	.60	.80	74	5	2	340.00	27.00	7.00
24	11	1⅜	13.50	.70	.90	76	5	2	390.00	30.00	7.50
26	11	1⅜	16.00	.85	1.05	78	5	2	465.00	34.00	8.10
28	10	1½	18.50	1.00	1.20	80	5	2	550.00	38.00	8.80
30	10	1½	21.00	1.15	1.30	82	5	2	640.00	43.00	9.60
32	10	1⅝	24.00	1.30	1.40	84	5	2	730.00	48.00	10.50
34	9	1⅝	27.00	1.50	1.55						

Circular Saws of uneven diameters not listed, take price of next larger size listed.

Circular Saws for Bone, Horn and Ivory, add 50 per cent to above list.

No extra charge for Saws one gauge thicker than list

No extra charge for Saws one, two, or three gauges thinner than list; when more than three gauges thinner, add 5 per cent list for each gauge.

Circular Saws 48 in. and larger, thinner than 10 gauge, not warranted.

Circular Saws 42 in. or less in diameter beveled one gauge without extra charge; 44 in. or larger, beveled two gauges without extra charge.

Circular Saws hollow ground or concaved, add for each gauge hollow ground or concaved double the price listed for beveling.

WHEN ORDERING SPECIAL CIRCULAR SAWS, THE FOLLOWING DIRECTIONS SHOULD BE EXPLICITLY GIVEN:

Diameter, in Inches, Thickness or Gauge at Center, Thickness or Gauge at Rim, Right Hand or Left Hand (see engraving); Number of Teeth, Style of Teeth, Size of Mandrel Hole; Size of Pin Hole, Distance from Center to Center of Pin Holes; Greatest Feed at each Revolution in Inches, Kind of Timber to be Sawed, Number of Revolutions per minute.

When ordering Bolting Saws state whether Rip or Cross Cut.

The speed of Circular Saws is one of the most essential things to be observed. If speed is too high it cannot do good work, as it generates, becoming touchy and limber. Too slow a speed has its objections, but it is not attended with such ruinous effects.

KEROSENE OIL STOVES

"OPTIMUS" OIL STOVE

It is wickless and converts oil, rapidly, into gas, which burns with a transparent blue flame, and intense heat. There is no smell, no smoke and no deposit of soot upon the cooking utensils. A single charge of one quart will burn at full flame five hours and a quart of water will boil in three minutes. The height is 8 inches over all and the top or grate 8 inches.

No. **10.** 2½ in. Burner, weight 3 lbs... .....**$3.25**

"TRAVELING-OPTIMUS" STOVE

Constructed so that it can be taken apart and packed in a steel box. The oil tank is fitted with a hermetical stopper and a place is provided for carrying an extra supply of kerosene.

No. **1.** Size of box 8¾x8¼x1½ inches; weight complete about 4¼ lbs....**$4.75**

JEWELL YACHT STOVE—SINGLE OR DOUBLE BURNER

The heat drum distributes the heat to both disc and grate making only one stove necessary or two stoves may be used by removing drum. Size of top 20x10 ins. with brass rail.

No. **30.** One stove, with disc and grate . . . . . **$ 9 00**
No. **32.** Two stoves, with two grates..... . . . . **12 00**

STARK KETTLE HOLDER

This pot or kettle hanger is a great convenience when cooking out of doors. It can be quickly adjusted so the kettle can be hung at any desired height from the fire.

The large hook at top, which is intended to hang from a crane, will support the weight of an ordinary 8-quart kettle and it is only necessary to use the connecting link when a heavier weight is to be suspended.

No. **63.** Weight, 2 ounces.....**$ .15**

SPECIAL "TWO-MAN" ALUMINUM COOKING OUTFIT

These outfits are of excellent quality, nest very closely, and are priced especially low on account of a favorable purchase from a firm whose business was disrupted by the war. Into the largest cooking pot, which is fitted with a leather carrying strap, may be nested the 21 separate utensils, making 25 pieces in all.

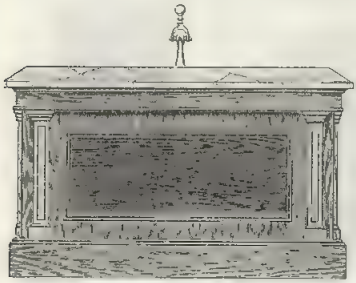
3 Cooking Pots,	1 Soup Ladle,	1 Tea Ball,	2 Forks,
1 Tea Kettle,	1 Frying Pan,	1 Alohol Stove,	2 Spoons,
1 Chain Bail,	2 Plates,	2 Plates,	3 Screw Top
1 Coffee Strainer,	2 Cups,	2 Knives,	Containers

No. **G2.** Two man Set, 8x8 in. Wgt. 4¼ lbs 25 pieces,.....**$6.95**
No. **G1.** One-man Set, 8x5½ in. Wgt. 2¾ lbs. 21 pieces,..... **5.00**
No. **GB.** Canvas carrying Bag for Either size .... **.50**

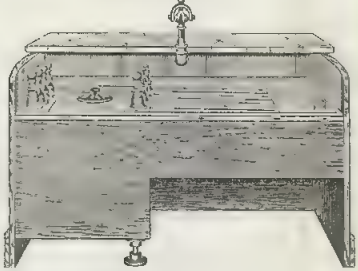
"PALACE" SODA FOUNTAINS

1915 COUNTER MODELS

Built for Service and fully guaranteed. Handsome in appearance and absolutely sanitary. So constructed that after crate is removed, to put them in proper operating order, it is necessary only to place marble slab on top of counter and connect draft stand with same. In these fountains you get all the EXTRA features and cost was never so small. NOTE—We are also prepared to quote prices on any size fountain in any style, material or finish. Get our prices before buying—**we can save you money.**

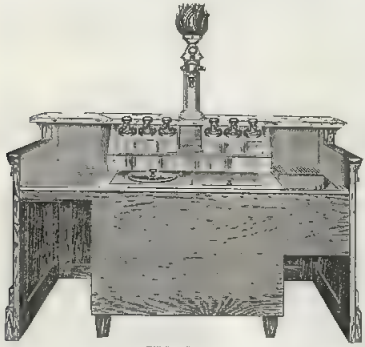


C2466 Front View



C2466 Back View

8 BOTTLE FOUNTAIN Solid oak counter, 40 in. high, 33 in. wide, paneled cabinet, golden finish, 12 in. x ¾ in. **polished pink Tennessee marble slab,** cypress cooler box containing covered ice cream cabinet, cooling chamber and 8 bottle compartments, lined with heavy gauge galvanized iron, insulated with 2 in. and 3 in. split cork, **8 labeled bottles** with nickel plated caps, German silver sink, corrugated drainboard and bottle rack, latest **cylinder cooling system** of heavy seamless drawn copper tubing, lined with pure block tin tubing, solid cast composition metal cooler heads, 6 ft. leader pipe with tank and cooler connections, silver plated draft arm, newest clear counter style, coarse and fine stream faucet, onyx ball handle.



C2467 Pump Fountain

C2466—4 ft. Fountain. Wood cover on ice cream cabinet. Crated, about 300 lbs. Each, **$87.00**

C2468—6 ft. Fountain. Similar to C2466 but with German silver cover on ice cream cabinet. Crated, about 400 lbs. Each, **$125.00**

6 PUMP FOUNTAIN—Solid oak counter, 6 ft. long, 40 in. high, 33 in. wide, paneled cabinet, golden finish, 6 ft. x12 in. x¾ in. polished pink Tennessee marble slab, cooling chamber, insulated with 2 in. and 3 in. split cork, 6 sanitary syrup pumps of best German silver and block tin, all heavily silver plated, interchangeable porcelain name plates, "Chocolate," "Lemon" "Orange," "Vanilla," "Strawberry" and "Pineapple," or as desired, heavy white porcelain syrup jars, capacity ¾ gal., all exposed metal work of heavy gauge highly polished **German silver,** syrup sections faced with best white Italian marble, German silver caps, German silver sink and two corrugated drainboards, latest **cylinder cooling system** of heavy seamless drawn copper tubing lined with pure block tin tubing, solid cast composition metal cooler heads, 6 ft. leader pipe with tank and cooler connections, double stream faucet, onyx ball handle, **27⅝ in. draft stand with 3 in. diam onyx column,** cast metal base and support for 7½ in. art glass shade, wired for electric light.

C2469—Six Pump Fountain, 6 ft. long, with marble slab. Crated, about 650 lbs. Each, **$215.00**

ACCESSORY SODA FOUNTAIN OUTFIT.

For those customers wishing to obtain accessories necessary to operate a fountain we recommend the following list

C2453—Contains everything necessary (except drum of gas) and nothing unnecessary. With this outfit in conjunction with any one of our fountains, one is able to serve soda 1 hour after arrival of shipment.

1 10 gal. soda Tank
1 charging outfit (gauge, regulator hose, wrench, rocker, wall bracket, washers & connections)
6 gal. ready made syrups (orange, vanilla, strawberry, lemon, pineapple and orange)
2½ gal. jar crushed fruit (pineapple and strawberry.)
1 in. phosphate acid
1 doz. 5 in spoons
1 " 8 " "
½ " silver plated soda holders
1 " 8 oz. Tumblers
1 doz. 12 oz. tumblers
1 " footed sherbets
1 box straws
1 onyx straw jar
1 " spoonholder
1 " pineapple bottle
1 " lemon extractor
1 " ice cream dishes
2 " enameled iron bodies

Complete outfit as above. **$44.00**

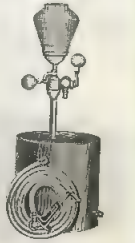
Note: Drum of gas can be obtained from dealers in almost every town of 3000 or more in the United States.

See following page for fruits, syrups, and all other every day fountain needs.

"MIRACLE" COOLER.

Intended for the merchant who wants to try out the Soda Fountain business at the lowest possible cost and in the smallest possible space. Can be placed under any convenient counter, draft arm standing above counter, providing an up-to-date clear-counter service. Will positively produce 36 40 from each gallon of syrup in 8c drinks (6 oz. glass), thus paying for itself in a short time. By using bottles for any desired number of syrups in connection with ice cream, any soda fountain drink can be served.

C2464—Fit over all 26 in., 12x19 in. round cooler box, galvanized iron, double shell, filled with 1 in. grass mat cork between inside and outside, including bottom, enamel painted and striped. **Patent mixing double draft arm,** handsomely mounted and nickel plated, 1 onyx and 1 hard rubber ball handle—through one faucet any specialty syrup is measured and mixed with a measured quantity of soda water; the other faucet delivers coarse or fine stream of plain soda. Contains 15 ft. block tin coil with fittings to draft arm, 5ft. block tin connecting pipe for use with steel tank of soda water, standard pressure gauge, clamp connection and clamp. Crated, 85 lbs. Each, **$25.00**



Miracle Cooler

GET INTO the AUTOMOBILE TIRE TUBE & ACCESSORY BUSINESS

Special Outfit

Special Selling Helps

You can break into the tire game with the K1 Tire Outfit listed below. Very little capital is needed, and you take NO RISK. Four of the tires are FORD SIZES, which are such quick sellers they are hard to keep in stock. The other fits the Overland, Buick and other cars. Take advantage of this offer and you'll be started in a business that pays big and quick returns.

The guarantee that proves quality —"PARAMOUNT" casings are guaranteed to give service up to 4000 miles under fair usage and all claims for insufficient mileage will be adjusted on a mileage basis, when casing on which claim is made is returned to us, freight or express charges prepaid, with full information as to name, model of car and weight. Of course, we will not allow claims on casings when rendered unserviceable through bottle cuts, rock cuts or being run flat.

Section of Bull Dog Grip Casing

This cut shows complete Display of Easel Tire, Picture and Sign as it will look in your window.

K1 —**"Paramount" Tire Selling Outfit** includes the following:

(a) Two 30x3 Smooth Tread Regular Clincher "Paramount" casings—adapted for Fords and other cars.

(b) Two 30x3½ Bull Dog Grip Regular Clincher "Paramount" casings—adapted for Fords and other cars.

(c) One 34x4 Bull Dog Grip, Q. D. Clincher "Paramount" casing—a staple size used on Overland, Buick and many other cars. Use this Tire for display purposes as illustrated at left.

ALSO THE FOLLOWING FREE SELLING HELPS

(a) One section of Bull Dog Grip casing to show construction. (Shown above.)

(b) One 14x21 Oak framed picture showing famous Bull Dog Grip trademark. (Shown at left.)

(c) One gilded steel display easel for displaying 34x4 casing, picture and sign. (Shown at left.)

(d) Fifty half tone folders from which you can sell full line of sizes and types. These folders show list (retail) selling prices. You can sell any size regardless of whether you have casing in stock or not. Ask about a moment's demonstration with Parcels Post.

(e) One Display Card—Gold on purple. (Shown at left.)

SUMMARY OF TIRE OUTFIT K1

Tires—	Standard list price	Trade 5 %	Our Price	TOTAL
Two 30x3 Smooth Tread	$ 9.60	$18.00	$ 7.36	$14.72
Two 30x3½ Bull Dog Grip	13.35	25.70	10.68	21.36
One 34x4 Bull Dog Grip	22.20	22.20	17.76	17.76
		$66.50		$53.84

All the Selling Helps described above are included free with each outfit.

Special Price with Selling Helps, $51.15

YOUR PROFIT $15.75

ASK FOR OUR NEW 1915

Automobile Accessories Catalogue

The goods you do not care to stock may be sold from this book—it lists the goods at retail prices.

NOW READY **MAILED ON REQUEST**

"CLIPPER" STEEL TIRE VELOCIPEDES.

Prices which defy competition. Easily set up.

Adjustable heavy leather seat on pat. saddle spring, extra heavy red enamel steel wheels, baked black enameled frame and brass ferrule grips. In crate, ... Will carry a child away with screws and tools for doing up.

F1248— Mfrs. (1). Wheels 14 and 10 in., for very small children. 3 in crate, 40 lbs. Each, **$1.00**

F1249— Mfrs. 1). Wheels 16 and 12 in., 5 to 9 years. 3 in crate, 60 lbs. Each, **$1.10**

F1250— (Mfrs. 2). Wheels 20 and 14 in., 6 to 9 years. 3 in crate, 62 lbs. Each, **$1.50**

F1251— (Mfrs. 3). Wheels 24 and 16 in., 7 to 11 years. 3 in crate, 80 lbs. Each, **$1.60**

F1252— Assort. Containing Nos. F1248, F1249, F1250 and F1251. 4 in case, 60 lbs. Assrt. **$5.00**

"CLIPPER" RUBBER TIRE VELOCIPEDES.

Adjustable heavy leather seat on pat. saddle spring, extra heavy red enamel steel wheels, baked black enameled frame and brass ferrule grips. In crate, ... Will carry a child away with screws and tools for doing up.

F1253—Mfrs. (R.). Wheels 14 and 10 in. for very small children. 1 in crate, 15 lbs. Each, **$1.60**

F1260—(Mfrs. 1R). Wheels 16 and 12 in., 5 to 9 years. 1 in crate, 17 lbs. Each, **$1.75**

F1261—Mfrs. 2R. Wheels 20 and 16 in., ... 21 lbs. Each, **$1.95**

F1262—(Mfrs. 3R. Wheels 24 and 16 in., ... front ... rear, 1¾ in. tires. 7 to 11 years. In crate 25 lbs. Each **$2.15**

SPECIAL "CLIPPER" RUBBER TIRE VELOCIPEDES.

Red enameled steel frame and wheels extra strong rear axle supports, padded leather bicycle saddle with nickel plated double springs, nickel plated, adjustable handle bar with leather wound grips.

Double Spring Seat — Adjustable Handle Bar

F1254—Wheels 16 and 12 in., ¾ in. tires, 5 to 7 yrs. 1 in crate, 20 lbs. ..... Each, **$3.40**

F1255—Wheels 20 and 14 in., rear ¾, front ⅝ in. tires. 5 to 9 yrs. 1 in crate, 25 lbs. Each, **$3.75**

F1256—Wheels 24 and 16 in., ¾ in. tires. 7 to 11 yrs. 1 in crate, 28 lbs. ..... Each, **$4.00**

Ball Bearing. High grade the best made, Brown baked enameled steel frame and trans extra rear axle supports, ... adjustable handle bars with leather wound nickeled hand grips, forged steel, nickel plated ball bearing bicycle pedals, front and rear wheels, ¾ in. rubber tires.

F1257—Wheels, 16 and 12 in., 3 to 7 yrs. 1 in crate, 28 lbs. .... Each, **$4.75**

F1258—Wheels, 20 and 14 in., 5 to 9 yrs. 1 in crate, 30 lbs. Each, **$7.25**

F1259—Wheels, 24 and 16 in., 7 to 11 yrs. 1 in crate, 32 lbs. ..... Each, **$7.75**

JUVENILE STEEL AUTOMOBILES.

The strongest line of juvenile autos on the market. All up-to-date models, handsomely finished sheet steel bodies, auto steering gear open bottoms, strong double spoke wheels. Each in crate.

"Hummer"—36 x 14, bright red bodies and adjustable seat, dark green, gilt stenciled and striped gears inside. In front are ornamental ... nickeled lamps, nickeled wheels, baked black enameled gear, 10 and 16 in. wheels. 1 in crate, 34 lbs.

F1042—Same, with rubber tires. Each, **$2.50**

F1035—¾ in. rubber tires. **2.95**

F1036—"National." 47x17, baked blue enameled steel body, gilt stripes, 11 in. wood seat, nickeled steel back rail, ... back, black gear and pedals, 10 and 16 in. red enameled steel wheels, ¾ in. rubber tires. 1 in crate, 44 lbs. Each, **$3.95**

F1037—"Wizard." 37½x17½, red enameled body, 1 to 3 yellow stripes, brass studded padded leather ... gilt ... crank, black gear and pedals, 10 and 16 in. red enameled wheels, ¾ in. rubber tires. 1 in crate, 50 lbs. Each **$5.10**

THREE POPULAR HAND CARS.

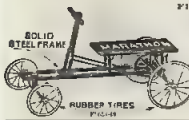
F1047 "Mascot." Length, 38 in., gilt decorated red seat, ... enameled steel frame and grip handle, 6½ and 8 in. black double spoke wheels, ¾ in. rubber tires. 1 in crate, 30 lbs. Each, **$2.00**

F1048—"Invincible." Length, 32 in., 7¼x16 painted and decorated seat solid steel ... steel handle and ... Seat, 8 and 12 in. ... wheels, ¾ in. rubber tires. 1 in crate, 35 lbs. ... **$2.40**

F1050—"Irish Mail." Length 40 in. steel ... enameled seat, ... smooth sanded drink ... black ... frame, has greater ... than steel ... and ... tinned steel wheels, extra heavy ... and tires, ¾ in. rubber tires. 1 in. crate, 50 lbs. Each, **$2.80**

"MARATHON" STEEL HAND CARS

Bright painted and decorated seats, baked black enameled solid steel frames, improved gearing, double spoke wheels, ⅝ in. rubber tires



F1053 "Junior Special." Length, 30 in., wooden palm handle. Hand ... In seat. For ages, 3 to 7 yrs. 1 in crate, 22 lbs. **$2.50**

F1040—"Senior." Length, 30 in., wood top steel ... Seat, 8 and 12 in tinned steel wheels. 1 in crate, 32 lbs. Each **$3.00**

F1054 — "Tandem." Length, 40 in. 2 seats, solid steel axles, lever and propelling ... 2 pr. foot pedals, 10 and 14 in. wheels. 1 in crate, 50 lbs. Each **$3.75**

"CLIPPER" TRICYCLES.

Mechanically perfect in construction, finely finished, easiest propelled tricar on the market, enameled frame and gearing, bright retinned seat support and arms, heavy tired wheels and pedals, plush upholstered seat and back. Each in crate.

F1263 — Steel Tires. 18 and 10 in. wheels, ... 2 to 6 yrs., 70 lbs. Each **$2.60**

F1265 — Rubber Tires. 20 and 12 in. wheels, rear ¾, front ⅝ in. tires. 3 to 8 yrs., 90 lbs. Each **$5.00**

HIGH GRADE "CLIPPER" RUBBER TIRE TRICYCLES.

Rear wheels ¾ in. tires, front ⅝.

Red baked enamel steel frame, gear and inlaid gutwin, gilt striped and decorated, perfectly constructed and finished, easily propelled, reinforced steel wheels, padded leather cushion spring seat and back, nickel plated arms and steering rod, leather wound grips.

Plain Bearing. 1 in crate

	Ages, yrs.	Wt.	Each
F1267 20 x 2 in.	5 to 8	75 lbs.	$ 7 25
F1268 22x1 ½ "	6 " 11 "	80 "	8 50

Ball Bearing. Heavy, ... cushion tires, ... enameled upholstered to match, nickeled ... 1 in crate.

	Ages, yrs.	Wt.	Each
F1269—20 x 2 in.	3 to 6	80 lbs.	$ 8 00
F1270—22 x 1¾ "	5 " 11	85 "	10 00

BOYS' JUNIOR BICYCLES.

Most up-to-date in construction. Best materials used throughout.

⅝ in. black enameled seamed tubing, brazed and riveted joints, easy running, reinforced fork attached to frame with heavy king ball, red enameled head adjustable nickel plated extension handle bar and saddle post, wound leather grips, steel frame, stitched full, padded leather saddle, drop forged cranks with rat-trap pedals, heavy nickel sprocket and gear, diamond block chain, double spoke red & black striped steel rim wheels, ... 1⅝ in. single tube guaranteed rubber tires, all bolts, nuts and ... trimmings nickel plated. 1 in crate

F1032—14½ in. frame, 20 in. wheels, smooth tread tires Each, **$11.25**

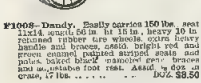
F1033—16 in. frame, 20 in. wheels, Toledo tires. Each **$11.75**

F1034—18 in. frame, 26 in. wheels, Toledo tires. Each, **$12.25**

PLAYTHINGS OUT DOOR and ALL THE YEAR

"NEVER TIP" SULKIES.

F1008—Dandy. Easily carries 150 lbs. seat 11x14, spanel, 56 in. ht 15 in., heavy 10 in. recessed rubber tire wheels, extra heavy handle and braces, assid. bright red and green enamel polished striped seats and poles, baked black enameled gear braces and adjustable foot rest. Assid. in 60% in crate, 17 lbs. . . . . Doz. $8.50



F1009—Reversible. Heavy wood seat 14x19, red painted, green enameled reinforced brace for reversible adjustable front and back foot rests, 10 in. japanned double spoke wheels, ⅝ in. rubber tires, 48 in. heavy wood handle. 2 in crate, 24 lbs. Each **88c**

Reversible—Seat 10½x19, side bars and mud fenders, black enameled double action braces, adjustable front and back foot rests 10 in. double spoke japanned wheels ⅝ in rubber tires, pickeled hub caps, 52 in. striped enameled handles

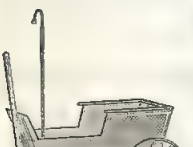
F1012—Heavy wood seat, painted brick red, 26 low stripes. 2 in crate, 24 lbs. Each **$1.15**

F1013—Padded leatherette seat and back 2 in crate, 28 lbs. . . . . Each **$1.30**

Reversible, Upholstered—Seat 11x14 enameled red green handles, striped in gold 10 in. steel wheels, rubber tires, nickeled hub caps, 1¼ in. panel back, in seamless leather with spring seat and back upholstered in leatherette, loop hand hold 1 in. wide

F1018—Without hood. 19 lbs. Each. **$1.75**
F1019—With hood. 21 lbs. " **2.50**

CHILDREN'S BUGGY.



F1451 18½x34 g vermilion red painted cut-under gear, spring and assid. gilt striped running gear, axles full finish, handsome assorted colored wood seat and back 18 in. deep, finish, wood wheels, black striped 2¼ in. heavy welded steel arms, heavy wood bolsters, steel axle and fifth wheel, 27 in. square handle with T grip. 3 in crate, 60 lbs Each. **$1 50**

"OUTING" ONE MOTION FLAT FOLDING SULKIES.

Many improvements, adding to comfort and convenience in their use. *Strikes Mama alone when folded*

F1006—10 in. double spoke wheels with 1 in. cushion rubber tires, reinforced, heavy carriage gear, steel shifting adjustable foot rest, rear and up and shock absorbing braces with padded leather handle bars, black enamel finish. 3 in crate. 50 lbs. Each **$1 95**

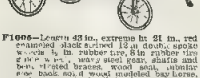
Padded Seat and Back—Similar to F1006 with padded imitation leather seat and back 3 springs under seat, wide metal arm rests, nickeled ¾ in. rubber tires.

F1001—1 in carton, 18 lbs. Each. **$2.50**

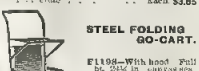
F1002. Reclining spring back. 1 in carton 21 lbs. Each **$2.75**

F1003—3 bow hood and reclining spring back. 1 in carton 24 lbs. Each. **$3.50**

"DAN PATCH" HORSE AND SULKY.



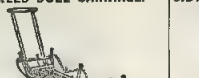
F1005—Length 43 in., extreme ht 21 in., red enameled black striped 12 in. double spoke wheels ⅝ in. rubber tire, 8 in rubber tire gear, 1¼ in. wood seat, shafts and seat rail steel braces, wood seat, shifting one back seat, wood molded bar horse, nickeled and full nickeled trimmings, handle operated same as any form of sulky. . . . . Each **$3.85**



STEEL FOLDING GO-CART.

F1194—With hood. Full bk. 24½ in. canvas seat and back, 10 in. steel body, bright enameled steel frame, 8½ in. rubber spoke steel wheels, 4 sq. ft. in crate. 20 lbs Doz. **$4.40**

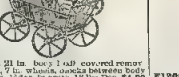
REED DOLL CARRIAGE.



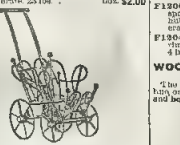
F1232 Ht. 21 in. body 15x30 covered reinforced seat, 7 in. wheels, hooks between body and axles. 4 doz. in crate, 18 lbs Doz. **$4.00**

REED GO-CARTS.

Fancy reed bodies, turned wood posts and knobs.



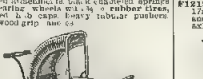
F1234—Folding, ht. 32 in., large body low dasher, 7 in. rear and 5 in. front wheels 1 doz. in crate. 23 lbs . . . . . Doz. **$2.00**



F1237 Ht. 21 in., large body, high dasher, 7 in. rear and 5 in. front wheels, enameled metal tires. 1 doz. in crate, 33 lbs Doz. **$2.00**

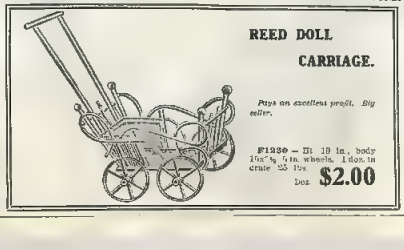
GENUINE FULL REED DOLL CABS—With Rubber Tires.

Richest grade manufactured. Closely hand woven white reed, shellacked finish, sewan upholstered seats, backs and sides, plush trim, brass studded adjustable lined hoods with nickeled attachments to back, enameled springs and gearing, 14 in. x ¾ in. **rubber tires**, bekeed hub caps, heavy tubular pushers, large wood grip handles



F1116—Ht. 27 in., body 18x30, convertible to steel 7 in. single spoke wheels. 2 in crate 36 lbs Each. **$2.25**

F1117 Ht. 29 in. body 22x10, drop extension back, cordelan upholstered, 8 in. double spoke wheels. 1 in crate, 29 lbs. Each. **$3.25**



REED DOLL CARRIAGE.

Pays an excellent profit. Big seller.

F1230—Ht. 39 in., body 16x34 in. wheels, 14 in. in crate 35 lbs.

Doz **$2.00**

SIDWAY'S "ALLWIN" SEMI-COLLAPSIBLE GO-CARTS.

F1200—Ht. 28 in., 14 x 7½ maroon leatherette body, hood finish steel frame, 1 pc. handle, 5½ in. spoke wheels. ½ doz. in crate, 30 lbs. . . . . Each. **$3.50**

Following have leatherette bodies, folding cane heads and side curtains, adjustable backs, black enameled gearing and frames, wood grip handles.

F1206—Ht. 23 in. body 18x36, 7 in. double spoke wheels, 34 in. rubber tires, nickel hub caps. Assid maroon and brown, 4 in crate 30 lbs. . . . . Each. **89c**

F1204—Ht. 23 in., body 18x36, Tan black steel rim wheels. Assid maroon and dark green. 4 in crate, 30 lbs. . . . . Each. **98c**

WOOD SIDE ENGLISH DOLL CABS.

The finest and most handsomely finished line on the market. All fastened with nuts and bolts, not screws, all stable goods, superior quality, double spoke wheels, wood side cabs, highest grade enameled finish, full nickel stripes.

F1213—Assid. maroon and green, ht. 22 in., 17x28 wood body, black enameled hands and 6 in. wheels. 34 in. steel rims, steel axles. ¼ doz. in crate, 26 lbs . . Doz. **$8.75**

F1238—Assid. brown and blue, ht. 22 in., 17x28 wood body, gold decorated steel wood grip handle 7 in. wheels, 34 in. rubber tires, steel axles ¼ in crate, 40 lbs.

Each, **$1.20**

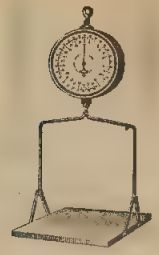
F1214—Assid green and maroon, ht. 28½ in., 18x30 wood body, full panelled leatherette lined, mahogany finish wood grip handle, 7½ in. wheels, 34 in. rubber tires, heavy springs. 2 in crate, 32 lbs. Each. **$1.75**

WIRE DOLL CARRIAGE.

F1242—Ht. 17½ in., length 14½, 5¾ in. wheels strong and durable light weight, assid. blue and cherry lacquered woven wire turned front and body, great steering, double reinforced steel wheels, removable handle and reducing axles permit packing in small pkg. Each securely wrapped. ¼ doz. in crate, 17 lbs. Doz **$4.20**

SCALES

SPRING BALANCE



TRIUMPH HANGING AND FOLD NO

For Hotel, Restaurant and General Market Use. Folds Out of Way when not in Use

		Each
No. T3103—	Capacity 50 lbs., by 1 oz. Japanned Sheet Steel Case 9 inch Silver Finished Dial with Black Enameled Figures and Marks, 12x5½x11¾ inch Steel Platform, Aluminum Beam and Weight. Over All 19 inches Weight each 12 lbs.	$3 00

One in a Box

SPRING BALANCES SQUARE TINNED STEEL PAN

Enameled Dial

5 inch White Enameled dial, with Black Enameled Figures and Marks. Nickel Plated hook. Japanned Cast Iron Case. Polished Brass Face Plate. Tinned Steel Chain, Hook and Ring

		Each
No. 5S3S—	Capacity 30 lbs., by 1 oz. 12x5x12 inch Pan. Height Over All 28 inches. 12½x5½ inch Face Plate. Weight 5 ¼ lbs.	$2 50

SQUARE TINNED STEEL PAN

Brass Face Plate and Dial. Size 6x4½ inches. Japanned Case Iron Case. Tinned Steel Ring, Hook and Chain. Figures and Lines Stamped in Black.

		Each
No. 542—	Capacity 20 lbs., by 4 oz. Weight 12 inch Tin Pan. Height Over All 22 inches. Weight each 8¼ lbs.	$1 00

One in a Box.

SQUARE TINNED STEEL PAN

Brass Face Plate, 6¼x4¼ inches. Japanned Cast Iron Case. Tinned Steel Ring, Hook and Chain. Figures and Lines Stamped in Black

		Per Dozen
No. 42—	Capacity 25 lbs., by 4 oz. 10 9x12 inch Tin Pan. Height Over All 24 inches. Weight per Dozen 18 lbs.	$11 50

Quarter Dozen in a Box

ROUND TINNED STEEL PAN

Brass Face Plate, Size 6x4½ inches. Japanned Cast Iron Case. Tinned Steel Ring, Hook and Chain. Figures and Lines Stamped in Black

		Per Dozen
No. 62—	Capacity 25 lbs., by 4 oz. 6 inch Round Tin Pan. Height Over All 16 inches. Weight per Dozen 7 lbs.	$4 00
No. 72—	Capacity 50 lbs., by 4 oz. 7 inch Round Tin Pan. Height Over All 21 inches. Weight per Dozen 11 lbs.	6 00

Half Dozen in a Box

SCALES

SPRING BALANCE

Three General Utility Scales, Designed for all Purposes; Beautifully Made and Finished, these Scales Comply with the Requirements of the Departments of Weights and Measures

7 inch White Enameled Dial, Figures and Lines Black Enameled. Glass Sash with Nickel Plated Rim. White Enameled Pan.

		Each
No. 194—	Capacity 50 lbs. by 1 oz. Diameter of Pan 12 inches. Height over all 13 inches. Weight each 4¾ lbs.	$4 50

One in a Box

OBLONG STEEL PAN

7 inch White Enameled Dial, Figures and Lines Black Enameled, Glass Sash with Nickel Plated Rim. Tinned Steel Pan

		Each
No. 193—	Capacity 30 lbs. by 1 oz. Oblong Tinned Steel Pan 12x6 in. Four Tinned Steel Chains. Height over all 35 in. Weight each 4½ lbs.	$4 50

One in a Box

STEEL SCOOP

7 inch White Enameled Dial, Figures and Lines Black Enameled, Glass Sash with Nickel Plated Rim. Tinned Steel Scoop

		Each
No. 192—	Capacity 20 lbs. by 1 oz. Tinned steel Scoop 6x4 inches. Three Tinned Steel Chains. Height over all 29 inches. Weight Each 4¾ lbs.	$4 50

One in a Box

DAIRY, MILK AND CREAM

Brass Graduated Steel Case. Polished Brass Face. Scales on Front and Back, Each Enameled. Scale can be easily Adjusted by removing Rear Cap and turning Adjusting Screw

A Screw Pointer, Regulated by a Thumb Screw, May be Set at any Point on the Dial to take the Tare of Milk Pails etc

		Each
No. 1940—	Capacity 4 lbs. by 4 oz. Brass gage on Spring shows Cream by 20 Qts. Diameter of Face 7 inches. Length over all 14 inches. Weight each 8¾ lbs.	$5 00

One in a Box

SCALES

CIRCULAR SPRING BALANCE

8 inch White Enameled Dial, Figures and Lines Black, Stamped Nickel Plated Steel Case, Nickel Plated Steel Hook and Ring, Height Over All 11 inches, Black Japanned Cast Iron Case

SINGLE DIAL — Each

No. 4266E—Capacity 16 lbs. by 1 oz. — $12 50

No. 4270E—Capacity 60 lbs. by 2 ozs. — 14 50

DOUBLE DIAL
Case, Roof Iron Either Side — Each

No. 4266DH—Capacity 16 lbs. by 1 oz. — $20 00

No. 4270DH—Capacity 60 lbs. by 2 ozs. — 21 00

One in a Box, Box Weight 15 ½ lbs.

Japanned Cast Iron Case, 7 inch White Enameled Dial, Figures and Lines Black, Nickel Plated Steel Hook and Ring, Nickel Plated Steel Scale Tinned Brass Beam, Swivel Top, Height of Pan 1¾ inches

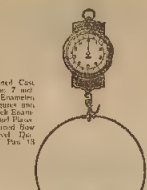
WITH WHITE ENAMELED OR MEDAL PAN — Each

No. 4266EH—Capacity 16 lbs. by 1 oz., Size of Face 4 inches, Height Over All 11 inches, Weight Packed 12 lbs. — $12 00

No. 4266EH—Capacity 16 lbs. by 1 oz., Size of Face 4½ inches, Height Over All 12 inches, Weight Packed 12 lbs. — 13 00

No. 4270EH—Capacity 60 lbs. by 2 ozs., Size of Face 5x7 inches, Height Over All 13½ inches, Weight Each 22 lbs. — 19 00

One in a Wood Box



WITH TINNED STEEL PAN — Each

No. 4264—Capacity 8 lbs. by 1 oz., Size of Face 3x5 inches, Height Over All 10 inches, Weight Each 4 lb. — $7 50

No. 4274—Capacity 60 lbs. by 2 ozs., Size of Face 4x7 inches, Height Over All 13½ inches, Weight Each 6 lbs. — 9 00

One in a Wood Box

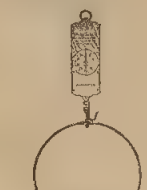
No. HUB—Capacity 24 lbs. by 1 oz.; 8½ inch White Enameled Dial, Figures and Lines Black Enameled; 14 inch White Enameled Pan, Japanned Cast Case, Weight Each 4 lbs. — Each $9.00

One in a Box

6 inch Brass Dial, Figures and Marks Stamped in Each, Steel Hook, 11 inch Porcelain Enameled Pan, Hung in Over All 20½ inches, Black, Japanned Cast Iron Case

No. 94E—Capacity 24 lbs. by 1 oz., Weight Each 4½ lbs. — Each $6.00

One in a Box



10 5x14 inch Size, Face, Figures and Marks Stamped in Each, Steel and Brass Swivel, 16 inch Tinned Pan, Height Over All 20 inches, Black Japanned Cast Iron Case

No. 94—Capacity 50 lbs. by 1 oz., Weight Each 8½ lbs. — Each $7 00

One in a Box

SPRING BALANCES

STRAIGHT LIGHT

Black Japanned Stamped Steel Case, Nickel Brass Face Stamped Figures and Lines, Tinned Steel Hook and Ring

Nos.	2000	20	36
Capacity, Lbs.	24	25	80
Graduations, Lbs.	1	1	1
Length of Case, In.	4½	7	9½
Width of Case, In.	1⅝	2¼	3
Length Over All, In.	8	12	16
Weight Doz., Lbs.	2½	4½	8½
Per Dozen	$1.20	1.50	3.00

Nos. 2000 and 20, One Dozen. No. 36, Half Dozen in a Box

STRAIGHT HEAVY

1 inch Japanned Stamped Steel Case, Nickel Brass Face Stamped Figures and Lines, Tinned Steel Hook and Ring

Nos.	40	70
Capacity, Lbs.	45	80
Graduations, Lbs.	1	1
Length of Case, In.	6½	8¼
Width of Case, In.	1⅝	2⅛
Length Over All, In.	9	12
Weight Dozen, Lbs.	4½	9½
Per Dozen	$2.00	3.50

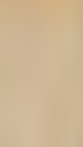
Nos. 40 and 70, One Dozen in a Box

STRAIGHT EXTRA HEAVY

Black Japanese Stamped Steel Case, Nickel Brass Face Stamped Figures and Lines, Tinned Steel Hook and Ring

Nos.	90	90	190
Capacity, Lbs.	90	100	250
Graduations, Lbs.	1	1	2
Length of Case, In.	7½	9¾	11½
Width of Case, In.	2	2½	3½
Length Over All, In.	10	13	16
Weight Doz., Lbs.	12	18	30
Per Dozen	$2.50	3.00	5.00

Nos. 90 and 100, One Dozen in a Box. No. 190, Half Dozen in a Box



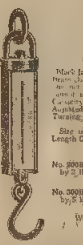
ROUND LIGHT

Black Japanned Steel Case, Porcelain Brass Dial, Stamped Figures and Lines, Tinned Steel Hook and Ring

Nos.	20	060
Capacity, Lbs.	25	60
Graduations, Lbs.	1	1
Length of Case, In.	5½	6¾
Diameter of Case, In.	2	2½
Length Over All, In.	10	12
Weight Doz., Lbs.	9	12
Per Dozen	$4.50	11.50

Nos. 20, Half Dozen, No. 060, Quarter Dozen, in a Box

ICE BALANCES



STEEL KING

Black Japanned Steel Case, Nickel Brass Face, Long Steel Spring, Japanned Steel Sliding Scale, Quick Adjustment by Removing Cap and Turning Adjusting Screw

Size of Case 7½x3 inches; Length Over All 10½ inches

Per Dozen

No. 300B—Capacity 300 lbs. by 2 lbs. — $60 00

No. 300B—Capacity 300 lbs. by 5 lbs. — 60.00

Weight Each 5 lbs. One in a Box

IRON CLAD

Malleable Iron Case, Black Japanned and Ornamented, Nickel Plated Brass Dial, Malleable Iron Stamped Figures, Tinned Steel Ring and Hook

Size of Case 10½x3 inches; Length Over All 16 inches

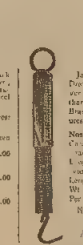
Per Dozen

No. 140—Capacity 300 lbs. by 2 lbs. — $66.00

No. 150—Capacity 300 lbs. by 5 lbs. — 60.00

No. 160—Capacity 300 lbs. by 5 lbs. — 48.00

Weight Each 8¾ lbs. One in a Box



Japanned Steel Case, Special Drum Steel Spring, Japanned, Compact with Larger Dial than Ordinary Makes, Polished Brass Face, with Seamless Figures and Markings

Nos.	60P	120P	180P
Capacity, Lbs.	60	120	180
Graduations, Lbs.	½	1	1
Length of Case, In.	4¼	6¼	6½
Width of Case, In.	2¼	1⅝	1⅝
Length Over All, In.	11½	18	18
Weight Doz., Lbs.	6	21	23
Per Dozen	$12.00	30.00	36.00

No. 60P, Half Dozen, Balance Third Dozen, in a Box

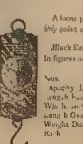
GERMAN CRAB

Polished Spring Steel Frame, Polished Beveled Face, Polished Wrought Steel Hooks and Rings, Stamped Figures and Lines

Per Dozen

No. GC—Capacity, 300 lbs. by 5 lbs., Size of Frame, 3¾x6¾ Inches, Length over all, 10½ inches, Weight per Dozen, 7½ lbs. — $7 00

One in a Package



MILK AND CREAM

A loose pointer, regulated by Thumb Screw, may be set at any point on the dial, to take the Test of Milk, Fats, etc.

Black Enameled Steel Case, Polished Brass Face, Stamped in figures and lines, Tinned Steel Hook and Ring

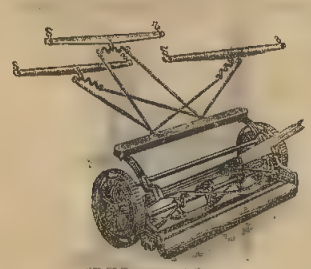
Nos.	280MD	270MD	260MD
Capacity, Lbs.	8	60	120
Length Face, Inches	10½	12	14½
Width of Face	4½	6¾	9¾
Length Over All, In.	15½	17	19
Weight Dozen, Lbs.	20½	33	46
Per Dozen	$4.50	9.50	9.00

One in a Box

"DIAMOND EDGE IS A QUALITY PLEDGE"

PONY LAWN MOWERS

CRESTLAWN



The Construction of this Machine is Positively the very best on the Market and is as nearly perfect as can be made. The parts making the Frame are all Lathe Turned and the Cast End Plate is Machined into the Side Plates, Forming an Automatic Interlocking Adjustment which cannot be Jarred or Twisted out of Adjustment

Pony Mowers are often used by Hand Power and the Cut alone is particularly Good for this Purpose, as it has Ball Bearing Drive Wheels. This makes the Machine Easy Running and very Little Danger to operate, for many hand machines.

The Reel is made with Four Revolving Cutters and a Ball Bearing. The Ball Bearing Parts are Automatic in action and never need to be touched by the Operator. The Revolving Cutters are, therefore, held in position under all conditions and will give a Clean Shear Cut at all times.

The Steel Bed Knife is made with Raised Lip, which adds Strength and Rigidity.

All material is first grade and the very best that money can buy.

Drive Wheels 10½ inches high. Diameter of Reel 6 inches. Reel Axle ¾ inch. Adjustable to cut grass to lengths of ¼ to 1½ inch. Cuts grass standing 7 inches high.

Handle and Roller of Hard Wood Maple, thoroughly Seasoned and Painted.

Horse Attachment

Each Mower is equipped with our Patented Horse Attachment. This can be Adjusted Quickly and in such a manner that no connection to the Mower is held to the ground and the disagreeable "tripping up" of the rear of the Mower is impossible. The shafts on the Mower is just the same when operated by either horse or hand. With our Attachment the horse can walk in the middle, front or to either side of the Mower and yet maintain a correct draft on all cases.

Each

No. 6732—Width of Cut 30 inches, Extreme Width 37 inches, Weight, boxed, 115 lbs. Beautifully Finished. Sold on an absolute guarantee to give satisfaction. $55.00

HORSE AND PONY LAWN MOWERS

PENNSYLVANIA

Painted Green and Red with Gold Bronze Striping

High Grade Cast Iron Frame, Drive Wheels and Gear Casings, Malleable Iron Reel Bearings, Crucible Tool Steel, Oil Tempered Revolving Reel Blades, and adjustable Steel Knife, Enameled Steel Handles

PONY OR TWO-MAN

For use of Pony or Two Men on Large Lawns and where the Surface is Broken by Walks and Shrubbery or is too Hilly for Regular Horse Mower. Triple Geared on both Sides. 11 inch Drive Wheels, 2½ inch Steel Axle. 1 inch Tubular Front Bar, Untorsed, Ball Knife, with Front Draft Attachments for Pony or Horse. Adjustable to Cut Grass to Lengths of 1½ to 2 inches.

Four Reel Blades

No.	Width of Cut, Inches	Diameter of Reel, Inches	Length of Reel, Inches	Extreme Width, Inches	Weight, Boxed, Lbs.	Each
20	20	5	24	35	150	$50.00

HORSE MOWERS

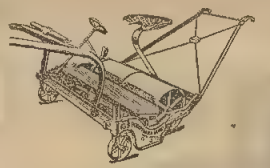
Triple Geared on One Side Only. Diameter of Reel 11 inches, Double Cast Iron Rollers, 24 inches in Length, Cast Iron Lever to Adjust Rollers 4½ inches in Diameter. Malleable Iron Cross Bar for Draft, 1½ x ¾ inches long. Wrought Iron Shoes for Draft, each 7 inches long, Tempered Steel Iron with Lever for Lowering Blades out of Gear

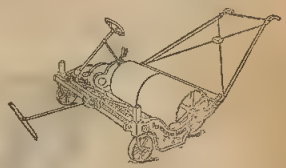
Four Reel Blades

Nos.	4-30	4-35
Width of Cut, Inches	30	35
Extreme Width, Inches	37	42
Length of Roller, Inches	70	75
Weight, Boxed, Lbs.	360	390
Each	$ 90.00	$ 110.00
	132.00	152.00

Extra—With Seat and Side Draft Shaft add... $25.00 25.00

Crated in a Crate





PENNSYLVANIA GRAND

Aluminum and Gold Bronze Finish

Heavy Cast Iron Frame, Malleable Iron Reel Bearings, Front Bar Adjusting Levers, Caster Stems and Cylinder Ends; Crucible Tool Steel, Oil Tempered, Self-Sharpening Blades Cast Steel Bushed Wrought Steel Handles, Drive Gears and Self-acting Wheel Pinions Cast Iron, Seat Seat support all Journal Bearings Bronze Phosphor Bronze Bushed. The Cylinder runs a new Adjusting Device insures a Self-Sharpening and Distributes the Wear on Blades Evenly. The Mower are the only mowers on Gear on the Seven Sides of Machine, the right to cut is controlled by the Hand Wheel and can be Changed while Machine is in Motion, to any Length from ¾ inch to 2½ inches.

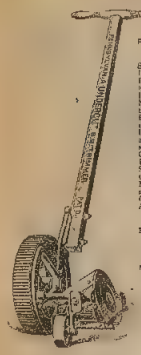
Diameter of Reel 7½ inches; Diameter of Cylinder 18 inches

Nos.	With Blades Sent and Handles Wood Part Shipped Side		With Draft Irons and Handles Only With Seat On 50 inches	
	GC304	GC305	GC384	GC385
Width Cut, Inches	30	35	30	35
Number of Reel Blades	4	5	4	5
Extreme Width, Inches	41	45	41	49
Weight, Crated, Lbs.	655	695	720	760
Each	$150.00	$ 170.00	$ 90.00	$ 102.50
	150.00	170.00	225.00	210.00

Crated in a Crate

Items Marked ✣ Not Carried in Stock, Can Only be Furnished by Shipping Direct from Factory, Philadelphia, Pa.

LAWN TRIMMERS



PENNSYLVANIA UNDER-CUT

The Machine as the One Sure to Successfully Replace the Use of Hand Shears. The Shearing Side Plate and Cutting Bar Make it Possible to Cut All the Grass Left by the Regular Side or Lawn Mower. The Unique Construction of the Under Cut Trimmer Permits Cutting Not Only Close up to a Wall, Fence or Trees, but Will Go Under a Fence or Rock or Base of Tombstones, House Foundations and Other Places Hitherto Out of Reach of Anything but Hand Shears. For Cemeteries it has the Special Advantages of Not Marking or Smudging the Tombstones as the Side Plate Does Not Come in Contact with the Stone Above the Grass Line.

PENNSYLVANIA

For Cutting Grass Left at the Edge of Lawns, Close up to Walls, Fences and around Trees, etc., after Mowing. Will Cut to Within ¾ Inch of Wall or Tree. Takes the Place of Grass Shears and Other Devices Employed for this Purpose

Painted Green and Red, Gold Stripes, Varnished Hardwood Handle.

Ball Bearing Adjustable Reel

Ball Bearing, Self Sharpening, Light Weight Four Blade Cylinder

Crucible Tool Steel Blades, Self Sharpening, Cast Iron Wheel and Side Plates. Malleable Reel Braces

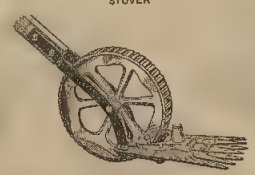
Each

No. PX—Drive Wheel 9 inches. Ball Bearing Cylinder with Four Tempered Crucible Steel Blades. Cuts 10 inch Cut. Shipping Weight Including Handle 32 lbs. Net Weight 23 lbs. Each, Including Handle $13 00

No. PLT—6 inch Cut, 4 Blades, Extreme Width 13½ inches, Weight Boxed 25 lbs. $8 50

One in a Box

STOVER



A perfect and Convenient Implement for Trimming Around Trees and Shrubbery and also Along Walls and Other Places that Cannot be Reached with the Lawn Mower. Does all the Cutting ahead of Drive Wheel and Cuts any Height Grass. Takes the Place of the Old Fashion, Hardworking, Unsatisfactory Hand Grass Shears, and when once used it and its Advantages are Understood it will be found an Indispensable Lawn Tool.

Per Dozen

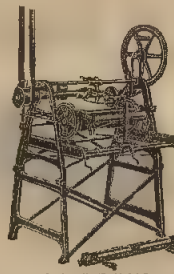
No. LT—Malleable Iron Wheels and Frame, Cast Steel Knives, Stained Hardwood Handle Bolted to Frame; Oil Holes to Keep Machine in Good Running Order; Neat and Attractive in Appearance, with Gold Bronzed Wheel and Curving Knives with Green Trimmings; Diameter of Wheels 7½ Inches; Width of Cut 6 Inches, Length of Knife Teeth 3½ Inches, Length of Handle 30 Inches; Weight per Dozen 75 lbs. $42 00

Third Dozen in a Carton. Handles Separate

LAWN MOWER GRINDERS

Suitable Also for Sharpening Skates, Small Tools, etc.

Largely Replacing the Slow and Indifferently Satisfactory Method of Sharpening Mowers with the Use of Emery or with Files; with these Machines the Work Can be Done in a Great Deal Less Time and with Much Less Labor and with Greater Accuracy and Uniformity



Cut shows No. 4B with Sub Base

IDEAL

Japanned Cast Angle Iron Frame, Full Steel Barrel Adjustable Carriage and Large Sprocket Wheel. **The Main Shaft and Grinding Wheel are Ball Bearing and Self Aligning.** The Carborundum Wheel is Mounted on a Ball Bearing Hub, which Moves Along the Shaft. The Arm is Pushed Along by a Screw Shaft and is also Constantly Moved by a Weight at the Back of the Machine furnished complete with a Skate Grinding Attachment, so that the Grinder can be used with Water and Suction.

The Carriage, which Holds the Mower, is Raised or Lowered by Means of a Cast Handle.

The Feed can be Stopped at any Point, being Thrown in and out by Means of a Trip Lever, which Throws the Feed Nut in Mesh with Screw Shaft.

Adjustable Supports Consisting of Adjusting Screws Make the Grinding Wheel Cc Equally at Both Ends of the Mower. They Allow the Wheels to Turn, which Prevents the Ratchets of the Wheels Interfering, and also Holds the Mower More Securely than the Method of Supporting the Mower on its Wheels.

Driving Shaft is 1¼ inches. **Grinding Wheel** is 5 inches in Diameter with ½ inch Face and is Driven by a 3-10 inch High Grade Bicycle Chain from Main Shaft. Length of Base 34 inches, Width of Base 8 inches, Height of Frame 30 inches, Height over All 37 inches.

For Mowers up to 24 inches Each

✣No. 2B—Hand, with Balance Wheel, with Sub-base 11 inches High, 24x18 inches at Base, on which the Regular Machine is Mounted, Weight 185 lbs. $70 00

✣No. 4B—Power, or it Tight and Loose Pulleys 4x1¾ inches, with Sub-base, 18 inches High, 34x18 inches at Base on which the Regular Machine is Mounted. Weight 260 lbs. 10 00

One in a Crate

LAWN MOWER PASTE

A Time Saver; Quick and Smooth Cutting Easily Used; Gives Satisfactory Results

Of the Right Consistency to Give the Best Results; its Use will be Found Far More Desirable than the Use of Powdered Emery and Oil.

✣ DIAMOND EDGE CARBORUNDUM

By Applying this Paste to the Edge of the Blade with a Brush and Revolving the Reel, a Sharp Cutting Edge can be Produced in a Few Moments. Per Dozen

No. DE35—Friction Top. Put Open Cans, 3½x3½ inches; Weight per Dozen 6 lbs. Loose $3 00

Items Marked ✣ Not Carried in Stock; Can Only be Furnished by Shipping Direct from Factory, Plymouth, Ohio.

"DIAMOND EDGE IS A QUALITY PLEDGE"

PENOBSCOT SNOWSHOES

Model "A" Model "B" Model "C" Model "E" Model "F"

These snowshoes are all hand made, the bows being split, not sawed, from the best white ash, smoothed and shaped by hand. They are intended for real service and while style and lightness are considered, quality is our first aim. Two styles of filling are used, No. 1 is by far the best and is guaranteed for a year. No. 2 is of good quality, being better than some merchants sell as best.

MEN'S SNOWSHOES

Penobscot Special. A graceful design, 1½ to 2 inch in. turn at toe, strong and excellent for general snow conditions.

No. **AS2.** 12 x 50 ins., medium filling **$5.00** No. **AL1.** 13x50 ins., best filling **$6.00**

Maine Trail. The strongest shoe made and popular with guides, lumbermen and trappers. Wider for its length than style "A" and with 1½-inch turn at toe.

No. **BS2.** 13x46 ins., medium filling **$5.00** No. **BL1.** 14x48 ins., best filling **$6.00**

Dunham Model. Made of the same high-grade material as above but with the width opposite the heel instead of the toe. Turn at toe 2 to 2½ inches.

No. **IS2.** 12x44 in., medium filling **$5.00** No. **IL1.** Best filling.....**$6.00**

LADIES' AND YOUTHS' SNOWSHOES

Lady Dunham. A light, graceful and strong shoe with long shapely turn at toe of about 2½ inches.

No. **CS2.** 11x40 ins., medium filling **$4.50** No. **CL1.** 12x42 ins., best filling **$5.50**

Penobscot Leader. In design it is like model "A" but of a size for light weight women, misses and youths.

No. **HS2.** 11x40 in., medium filling **$4 00** No. **HL1.** 12x42 ins., best filling **$5.00**

CHILDREN'S PENOBSCOT MODEL

This shoe is strongly made and of the same material as larger sizes. The filling is the medium quality and all are trimmed with colored tassels.

No. **ES2.** 9x30 inches.....**$3.00** No. **EL2.** 10x35 inches.....**$3.00**

"BEAR PAW" SNOWSHOES

A distinctive shape, particularly popular with mountain climbers, hunters and trappers. Toe is turned up about 1 inch.

MEN'S ADIRONDACK WHITE MOUNTAIN

No. **FM1.** 14x28 ins., best filling **$6.00** No. **SS2.** 13x26 ins., medium filling **$5.00**

SNOWSHOE FITTINGS

No. **85.** "Lampwick" Thongs.....Pair **$ .10** No. **87.** Leather Thongs.....Pair **$ .25**
No. **89.** Snowshoe binding or harness.. " **1.00** No. **90.** Extra quality, harness . " **1.50**

TINNERS' MACHINES

STOW'S PATENT IMPROVED ADJUSTABLE BAR FOLDERS

For No. 22 Iron and Lighter.

Nos.	62	63
Length, Inches	20¾	30
Will Form Closed and Open Locks, In.	⅛ to 1	⅛ to 1
Will Form Closed Locks to Receive Wire Up to, Inches	¼	¼
Weight Each, Lbs.	102	185
Each	$	

The gauge is adjustable and regulates the width of the fold by turning gauge wheel in front and center of machine; after gauge is set it is firmly held through lock screw with a wrench provided for the purpose.

WRIGHT'S IMPROVED SHEET IRON FOLDERS

For No. 22 Iron and Lighter

Nos.	*1	*0	12A	14
Length, Inches	30	42	30	42
Will Form Lock, In	¼ ⅜	¼ ⅝	¼ ⅜ ½ ⅝	¼ ⅜ ½ ⅝
Weight Each, Lbs.	85	135	90	140
Each	$			

*Note—Nos. 1 and 0 are not fitted with round steel rod attachment and are furnished without steel strips

These Folders will fold the edges of sheets formed in cylindrical shape. They will prove desirable machines for edging sheets while in the flat as well.

SHEET IRON FOLDERS

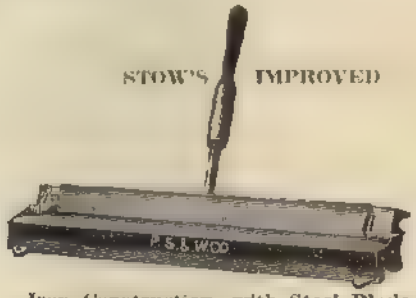
IRON BOTTOM

With Steel Blade.

Nos.	2B	3B
Length, Inches	30	41
For Iron Gauge, Nos.	22 & Lighter	24 & Lighter
Will Form Locks, Inches	⅝ to ⅝	⅛ to ¾
Weight Each, Lbs.	105	100
Each	$	

No. 3B has handle in center of machine. The most inexpensive practical and durable sheet iron folder manufactured. Intended for common ordinary use.

STOW'S IMPROVED



Iron Construction, with Steel Blade.

Nos.	10A	15
Length, Inches	30	42
For Iron Gauge, Nos.	22 & Lighter	24 & Lighter
Will Form Locks, Inches	⅛ to ½	⅛ to ½
Weight Each, Lbs.	85	107
Each	$	

These folders are fitted with machined steel bending blades and adjustable gauges

FORMING MACHINES PLAIN PATTERN

Grooves cut in rolls are intended to allow work with a wire to be formed; wire should only be formed between the grooves cut for that purpose

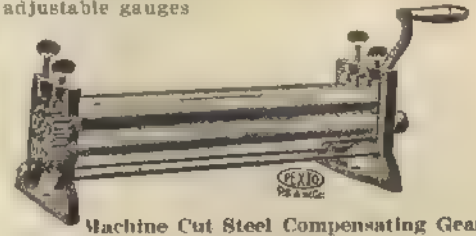
Cast Iron Gears.
For Stove and Tin Pipe.

Nos.	355	356	357	358
Length Rolls Inches	37	42	30	30
Diam. Rolls, Inches	2	2	2	1¾
Weight Each, Lbs.	170	180	140	120
Each	$			

For Tin Pipe.

Nos.	359	360	361
Length of Rolls, Inches	20½	16	12
Diam. of Rolls, Inches	1½	1½	1
Weight Each, Lbs.	60	50	30
Each	$		

The rolls are made from special rolled hard steel, finely finished, free from indentations and imperfections.



Machine Cut Steel Compensating Gears
For Stove and Tin Pipe.

Nos.	372	373	374
Length of Rolls, Inches	37	31	31
Diameter Rolls, Inches	2	2	1¾
Weight Each, Lbs.	165	140	120
Each	$		

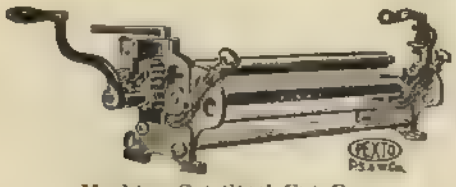
For Tin Pipe

Nos.	375	376
Length of Rolls, Inches	15	20½
Diameter of Rolls, Inches	1½	1½
Weight Each, Lbs.	50	60
Each	$	

Machine cut steel compensating gears run more smoothly than cast iron cogs without danger of slipping or breaking with whatever thickness of metal is used.

TINNERS' MACHINES

FORMING MACHINES



SLIP ROLL PATTERN

Machine Cut Steel Cut Gears.
For Stove and Tin Pipe.

Nos.	0381	381	382	383
Length Rolls, Inches	42	37	31	31
Diam. Rolls, Inches	2	2	2	1¾
Weight Each, Lbs	200	180	165	140
Each	$			

For Tin Pipe.

Nos.	384	385
Length Rolls, Inches	20	16
Diameter Rolls, Inches	1½	1½
Weight Each, Lbs	80	65
Each	$	

The grooves cut in rolls intended to allow work with a wire to be formed, wire should only be formed between the grooves cut for that purpose.

These machines are easily adjusted by means of a quick acting lever on each end in rear of machine and can be set for forming any desired size of cylinder.

Heavy, Back Geared.

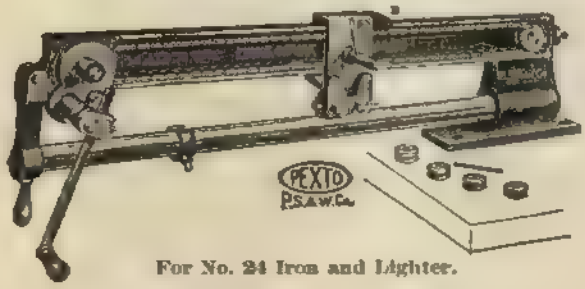
Nos.	399	400
Length Rolls, Inches	37	31
Diameter Rolls, Inches	2½	2½
Ratio of Gearing	2 to 1	2 to 1
Weight Each, Lbs	330	275
Each	$	

Note—Above machines can be fitted for power with tight pulley or tight and loose pulleys and furnished with iron floor legs when specified.

Substantially constructed with finely finished rolls made from special rolled hard steel. These machines are easily adjusted by means of quick acting levers on each end in rear of machine and can be set for forming any desired size of cylinder.

GROOVING MACHINES

IMPROVED AUTOMATIC RAPID



For No. 24 Iron and Lighter.
Reversible Lower Bar or Horn.

Each

No. 518—Will Groove Work 30 in. Long, with Five Grooving Rolls, One Each, 1/16, 1/8 and 1/16 in., and Two 1/8 in. and One Flattening Roll, Weight Each 200 Lbs. ..... $ .....

The traveling carriage has two rolls, one for grooving and one for flattening the seam at the same operation.

IMPROVED

For No. 22 Iron and Lighter.
Reversible Lower Bar or Horn.

Each

No. 504—Will Groove Work 22½ in. Long. Diameter of Smallest Pipe that can be Grooved 2 in., with Three Grooving Rolls, One Each, 1/8, 3/16 and 1/4 in., and One Flattening Roll, Weight Each 133 Lbs. ..... $ .....

No. 505—Will Groove Work 32 in. Long. Diameter of Smallest Pipe that can be Grooved 2 in., with Three Grooving Rolls, One Each, 3/16, 1/4 and 5/16 in. and One Flattening Roll, Weight Each 153 Lbs. ..... $ .....

An adjustable stop collar fitted on lower horn prevents work slipping while being grooved

GRANNIS PATENT

For No. 20 Iron and Lighter.
Reversible Grooving Horn.

Each

No. 514—Grooving Horn 41¾ in. Long. Will Groove Work 37 in. Long. Diameter of Smallest Pipe that Can be Grooved 2⅝ in. Ratio of Gearing 2 to 1 will Three Grooving Rolls One Each 1/16, 3/16 and 1/4 in. and One Flattening Roll, Weight Each 285 Lbs. ..... $ .....

An adjustable stop is provided on bar to prevent work from slipping while being grooved.

STOW'S PATENT BRASS MOUNTED

For No. 24 Iron and Lighter.

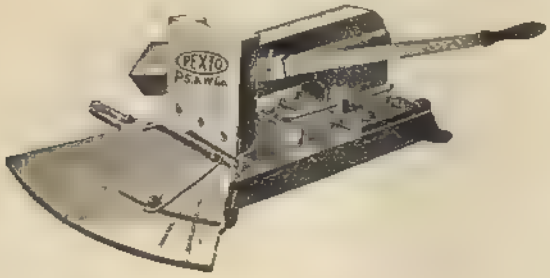
Each

No. 302—Will Groove Work 20 in. Long. Size of Grooving Horn, Large End 3 in., Small End 1⅝ in. with Three Grooving Rolls One Each, 1/16, 1/8 and 1/4 in. Weight Each 102 Lbs. ..... $ .....

Constructed with steel bar and milled horn, will be found serviceable for grooving the seams on tin cans, pails, boilers, etc.

TINNERS' TOOLS

COMBINED BENCH AND SLITTING SHEARS



Stationary Lower Blade, Adjustable Upper Blade, Removable Front Table, with Gauge.

Each

No. 248—For No 18 Iron and Lighter, 6½ in. Cutting Blade, 9½ in. from Cutting Head to Gauge, 10 in. from Cutting Head to Frame, 12x15½ in. Table, Weight Each 165 Lbs. . . . . $ . . . .

No. 249—For No. 16 Iron and Lighter, 9 in. Cutting Blade, 15 in from Cutting Head to Gauge, 16 in. from Cutting Head to Frame, 17x18 in. Table, Weight Each 490 Lbs. . . . . .

Will do the work of ordinary Bench Shears, over which they have the following advantages: the length of cut is longer to the same movement of the hand, the same pressure will cut thicker stock, and cut with the same ease at all points of the cut.

SLITTING SHEARS

For No. 16 Iron and Lighter.

Hardened and Tempered Special High Grade Forged Tool Steel Cutters. Adjustable Crank. Mounted on Heavy Cast Iron Legs

Each

No. 255—3⅛ in. Diameter Cutters, Depth Cutting Head to Frame 19 in., Depth Cutting Head to Gauge 18 in., 20x8 in Table, Weight Each 325 Lbs. . . . . $ . .

The tool steel cutters have two cutting edges, making them reversible, have adjustable bearings to take up the wear of the cutters, permits of rapid and easy slitting of iron used in cornice furnace blowpipe ventilation work etc.

LEVER SHEARS

For No. 10 Iron and Lighter.

Will Cut Iron Bars ⅜ in. Square and ¼x½ in., Adjustable Lower Blade, Reinforced Upper Blade.

Each

No. 296—8 in. Cutting Blade, 23 in Gauge Rod, Weight Each 130 Lbs. . . . . $ . . . . .

The blades are made of best material and are ground to a perfectly true cutting edge

The upper blade is fastened to a plate that is reinforced by the frame of machine making same very rigid and overcoming any spring in cutting Patterned to allow sheets to pass freely.

ECCENTRIC LEVER SLITTING SHEARS

Eccentric Lever.

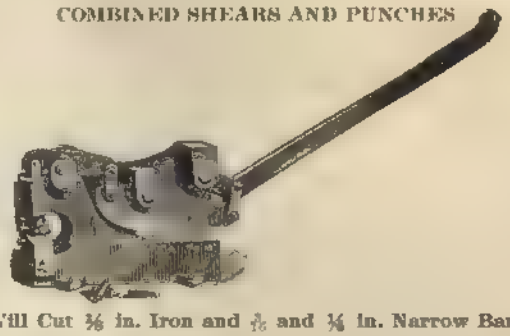
For Iron or Steel ⅛ in. and Lighter.

Each

No. 253 18 in. Long Over All Including Lever, 3½ in. Blade, 10½ in Bed, 6½ in. High, Weight Each 17 Lbs. . . . . $ . . . . .

So constructed as to cut sheet stock with the greatest of ease. Its eccentric cutting device requires very little effort to cut sheet metal up to the full rated capacity A handy machine for the shop and light enough to be easily carried to the job to be done outside.

COMBINED SHEARS AND PUNCHES



Will Cut ⅛ in. Iron and ⅛ and ¼ in. Narrow Bars.

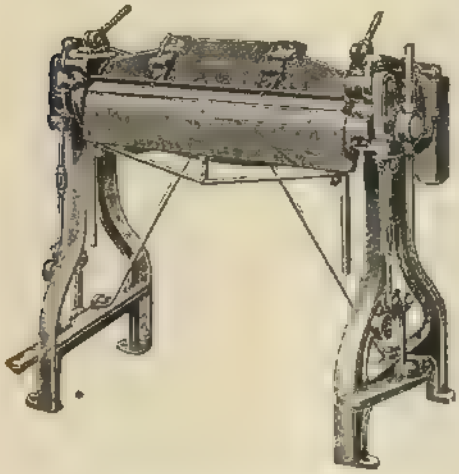
Each

No. 678—4¼ in. Cut, with One Combination Die and Four Punches, One Each, ⅛, 5/32, ¼ and ⅜ in., Will Punch ⅛ in. Iron and Lighter, Punching Cap 2⅝ in. Deep, Will Punch the Center of a Circle 5¼ in. in Diameter, Weight Each 100 Lbs. . . . . $ . .

No. 679—4⅝ in. Cut, with One Combination Die and Five Punches, One Each, ⅛, 5/32, ¼, ⅜ and ⅜ in., Will Punch ⅛ in Iron and Lighter, Punching Cap 2¾ in Deep, Will Punch the Center of a Circle 5½ in in Diameter, Weight Each 120 Lbs. . . . . .

TINNERS' TOOLS

HARE'S PATENT FOUR LEAF CORNICE BRAKES



For No. 20 Iron and Lighter.

Nos.	681	682
Length, Inches	37½	42½
Clamping Jaws, Open, Inches	1	1
Weight Each, Lbs	650	850
Each	$	

Furnished complete with one forcing bar and seven formers for making circular and semi-circular bends, viz., 3, 2½, 2, 1¾, 1½, 1¼ and 1 in. No. 682 has one weight on bending leaf.

Work can be formed on these machines which cannot be formed on any other machine or combination of machines. They are being used extensively by tinsmiths, sheet metal workers and art brass workers.

CORNICE BRAKES

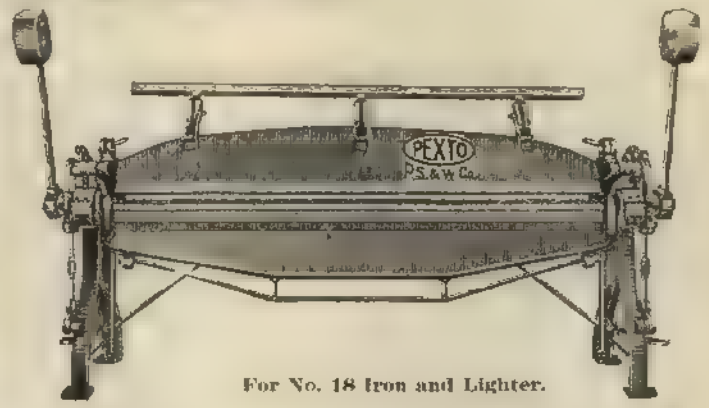
For No. 18 Iron and Lighter.

Nos.	1000	1001	1002	1003
Length, Inches	61	73	97	121
Weight Each, Lbs	750	800	1060	1005
Each	$			

For No. 14 Iron and Lighter.

Nos.	1009	1010	1011	1012
Length, Inches	36½	48½	97	121
Weight Each, Lbs	650	800	2000	3000
Each	$			

These brakes are of pressed steel construction and owing to their light weight they are handy to move around for outdoor construction work.



For No. 18 Iron and Lighter.

Nos.	683	684	685
Length, Inches	52	74	98
Clamp Jaws, Open, In.	1	2	2
Ap. Weight Each, Lbs	1070	2300	3650
Each	$		

Furnished with one forcing bar and seven formers for making circular or semi-circular bends, viz., 3, 2½, 2, 1¾, 1½, 1¼ and 1 in.

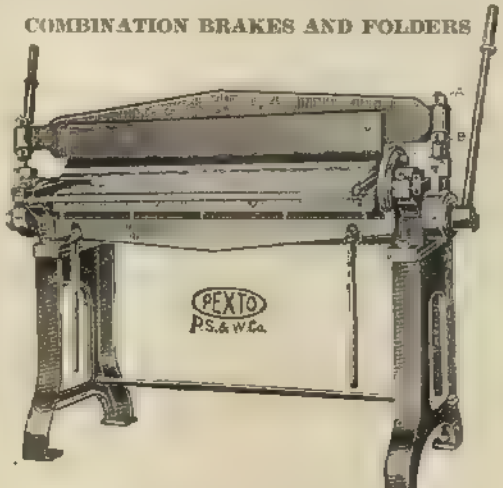
Note—No. 683 has one Weight on Bending Leaf; Nos. 684 and 685 have two.

These brakes will form long sections easily and quickly and are well adapted for heating, ventilating and cornice work for forming gutters, valleys, etc.

The bending leaf is properly balanced by weights and is provided with a forcing bar for bending heavy iron.

The parts subject to wear or strain are protected and strengthened in the most substantial manner. The journals have roller bearings reducing the friction to a minimum. The stop bracket on right hand end of brake can be quickly and easily adjusted to bend any angle wanted.

COMBINATION BRAKES AND FOLDERS



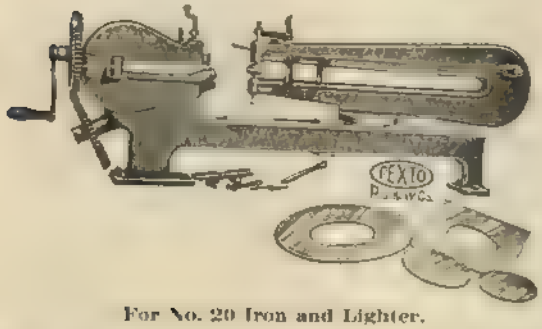
For No. 16 Iron and Lighter. Each

No. 93—42 in. Long, Clamping Jaws Open 1¾ in., Will Form Open or Closed Locks ⅛ to 1¾ in. in Width, ⅛ to 1¾ in. on No. 16 Iron, ☆ to ⅜ in. on No. 18 Iron, ¼ in. on No. 20 Iron, ☆ in. on No. 20 Iron and ⅛ in. on No. 24 Iron, Weight Each 450 Lbs. $

Furnished with seven formers for making circular and semi-circular bends in cornice work, etc., viz., 3, 2½, 2, 1¾, 1½, 1¼ and 1 in. When machine is used for 16 gauge iron two men are required to operate the machine with greater ease.

TINNERS' MACHINES

RING AND CIRCULAR SHEARS



For No. 20 Iron and Lighter.

Nos.	298	299
Diameter of Cutters Inches	1⅝	1⅝
Diam. of Clamping Discs, In.	2¼	2¼
Depth Cutting Head to Gauge, Inches	9⅛	9⅛
Depth Cutting Head to Frame, Inches	10	10
Depth Circle Arm, Inches	16¼	30½
Will Form Square Blanks, In.	3¼ to 22	3¼ to 42½
Weight Each, Lbs.	195	290
Each	$	

A very useful and efficient bench Ring and Circular Shears intended for cutting circles or internal rings and irregular curves. In circular cutting the blanks are clamped between rubber covered discs by means of a quick acting, eccentric, lever device adjustable for exerting extreme uniform pressure to prevent the work from slipping and insuring more acurate cutting. This method permits for the clamping and removing of blanks with greater rapidity than with old Crank Screw method. The bed on which the Tail Piece slides is graduated in inches and fractions of inches for quick setting of the Tail Piece for the size circle to be cut. The angular position of Cutters allows for as clean cutting on the inside as on the outside of circle

WAUGH'S IMPROVED CIRCULAR SHEAR.

For No. 22 Iron and Lighter.

Each

No. 278—2⅛ in. Diameter Cutters, 2 in. Diameter Rubber Covered Clamping Discs, Depth of Cutting Head to Gauge 9¼ in., Depth of Cutting Head to Frame 10¼ in., Depth of Circle Arm 16¼ in., Will Cut Circles from 2⅜ to 22 in Squares, with Polished Graduated Scale Weight Each 125 Lbs. ..... $.

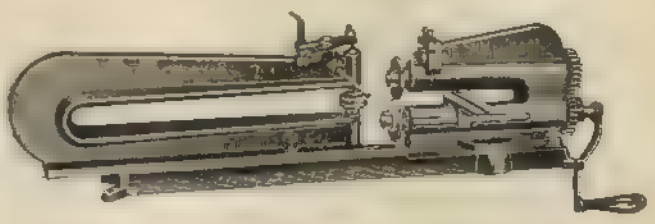
These Shears are widely known and have won an enviable reputation. They are most suitable for cutting outside circles, trimming or squaring tin plate, sheet iron, brass and copper.

A polished Graduated Scale is attached to the Bed for the purpose of securing quick and accurate adjustment of the Sliding Arm

They are fitted with Quick-Acting Eccentric Lever, which clamps material between Discs with great rapidity, and releases the blank instantly.

Rubber covered Discs which prevents the possible slipping of blanks is an exclusive Pexto feature.

WAUGH'S CIRCULAR SHEARS



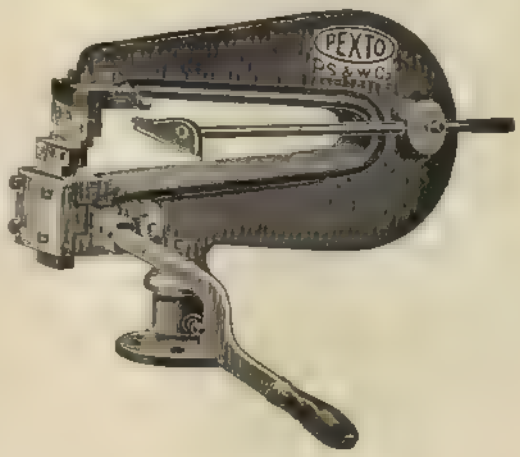
For No. 18 Iron and Lighter.

Each

No. 280—3½ in. Diameter Cutters, 2¾ in. Diameter Rubber Covered Clamping Discs, Depth of Cutting Head to Gauge 9¾ in., Depth of Cutting Head to Frame 10½ in., Depth of Circle Arm 22¼ in., Will Cut Circles from 3 to 31 in. Squares, with Graduated Scale, Weight Each 200 Lbs. ..... $ ....

A distinctive Circular Shears of unusual quality, of great strength and correct design, fitted with Quick Acting Eccentric Lever to clamp material between discs with great rapidity and releases the blank instantly. A graduated scale is attached to the bed for the purpose of securing quick and accurate adjustment of the Sliding Arm. The clamping discs are rubber covered which prevents any possible slipping of the blanks insuring more accurate cutting.

IMPROVED SCROLL SHEARS



For No. 20 Iron and Lighter.

Nos.	268	269
Length Cutting Blades Inches	4	4¼
Depth Cutting Head to Gauge, In.	10¾	17
Depth Cutting Head to Frame, In.	12	18¼
Weight Each, Lbs.	90	155
Each	$	

These Shears will cut Circles, Ovals, Ogees and all irregular shapes with the greatest ease. They are well adapted for cutting from the center of a sheet

Mounted in a Standard which screws to the bench and adjustable to any angle required is another Pexto feature

The length of cut is regulated by means of a Set Screw in frame back of lower Blade. To shorten cut, turn screw in; to lengthen cut, turn screw out.

Upper Blade can be adjusted for wear by means of the two Rear Adjusting Screws

AUTOMOBILE CLOCKS

FULLY WARRANTED

SHAPLEIGH HARDWARE CO.

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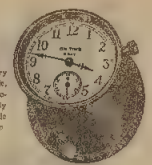


These Clocks are Made of the Best Grade of Materials and are Very Handsome in Appearance and Workmanship; Very strong and Durable, Built Especially to Withstand the Hard Usage and Vibration of Automobile Travel. Perfect in Construction and Good Time Keepers, Easily Attached to Dash by Three Wood Screws, and Contain every High Grade Thoroughly Tested Movements that are not Subject to Jar or Vibration

For Use on Straight Dash Board

	Each
No. 8N— [illegible] Case	$3 00
No. 8 [illegible] Nickel Rim	3 00

[illegible] Movement with Straight [illegible] Case, [illegible] Dash Bracket with Nickel [illegible] Silvered Dial with Black Figures, [illegible] Glass Crystal, Height 2¾ inches, Width 2¾ inches, Depth 1¾ inches. Weight per Clock 12 oz.

Note—The Movement is [illegible] Clock Runs Eight Days [illegible] Clock Movement [illegible]

	Each
No. 18N—Black Enamel with Nickel Rim	$3 50

[illegible] Movement with Concealed Outside Adjusting Screw [illegible] Bracket, Glass Bezel with Nickel Rim, Silvered Dial with Black Figures and 2 Screw Hands, Height 3½ inches, Width 2¾ inches, Heavy Plate Glass Crystal, Weight per Clock 20 ozs.

Note—The [illegible] Wind and Set to Wind Clock Turn Key, [illegible] to the Figure Six, to Set Time in Knob on Side of Clock and turn in either Direction, to Regulate, Pry off the Inner Bezel that holds the Glass in the Front [illegible] Pointer Counterclockwise to Regulate Slow; to the [illegible] under to direct

For Use on Cowl Dash Board

The Movement [illegible] Clock Runs Eight Days [illegible] Nickel Plated Case, [illegible] Having the Same High Grade Appearance and Special Construction except that it contains a 30 hour movement.

Each
No. 8N—Nickel Plated Case $5 50

Note—This Clock is the Same in Every Respect as the No. 8N, Having the Same High Grade Appearance and Special Construction except that it contains a 30 hour movement.

The Same Eight Day Movement is Used in This Clock as is used in the No. 18N, and has a [illegible] Dial with Black Figures, [illegible] Nickel Plated Case, [illegible] Glass Crystal [illegible] Clock [illegible]

Each
No. 8N—Nickel Plated Case $4 50

Note—A new Catch Holds the Movement Firmly in Position. This Catch is a Convenient Means of Detaching the Movement from the Case.

NEW ORMOND

Heavy Brass Case, Finished in Polished Brass, Nickel Plated or Black Enamel Finish with Fine Quick Beat 8 Day Time Movement, Jewel Bezel, Plate Glass Crystal, Solid White Porcelain Dial, Height 4 inches, Width 4 inches.

One in a Box Weight per Clock 15½ lbs.

JERICHO

[illegible] Brass Case, [illegible] Polished Brass, Nickel Plated or Black Enamel Finish with Fine Quick Beat 8 Day Movement, Jewel Bezel, Plate Glass Crystal, Solid White Porcelain Dial, Height 4¾ inches, Width 4¾ inches.

One in a Box Weight per Clock 2 lbs.

	Each
No. NONP—Nickel Plated Case	$8 00
No. NOPB—Polished Brass Case	8 00
No. NOBE—Black Enamel Case	9 00

	Each
No. JPN—Nickel Plated Case	$6 50
No. JPB—Polished Brass Case	6 50
No. JBE—Black Enamel Case	6 50

AUTOMOBILE CLOCKS

PHINNEY-WALKER

FULLY WARRANTED

Fine Quick Beat 8 Day Time Movement, Cases Finished in Polished Brass, Nickel and Black Enamel with Jewel Bezel

These Clocks Must be Demand for a Good Automobile Clock at a Reasonable Price. Made of the best Grade Materials and very Handsome in Appearance and Workmanship throughout. Especially Designed to Withstand the Hard Usage and Vibration of Automobile Travel. Perfect in Construction and Good Time Keepers. Clocks are Easily Attached to Dash by Three Screws.

Note—To Wind Keyless Clock, Turn Bezel of Clock to the Right—Open a Week, to Set or Regulate Clock Turn now and Take Off Bezel by Turning to Left.

MODEL M JUNIOR

For Use on Straight Dash Board

Clock [illegible] Silver Finish Metal Dial with Black Figures, Heavy Plate Glass Crystal, Height Over All 2¾ inches, Width 2 inches, Weight per Clock 12 oz.

	Each
No. M2B—Polished Brass Case	$4 50
Note—A Card of Instructions for Wiring Clock and Directions for Fastening Clock to Dashboard of Automobile Packed With Each Clock. Each Clock also Equipped with Key for Winding and Screws, Nuts and Bolts for Fastening to Dashboard.	3 50

These Clocks are Especially Designed for Countersinking in the Dash So As to Project and Style as Shown.

Only Far Enough to be Mounted. Very Neat in Appearance and are Furnished in Different Sizes

MODEL NO. 7 COWL

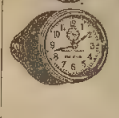
2¾-inch Silver Finish Metal Dial with Black Figures, Heavy Plate Glass Crystal, Height Over All 2¾ inches, Width 2¾ inches, Weight per Clock 12 oz.

	Each
No. 7BN Black Enamel Case with Nickel Rim	$10 00

MODEL NO. 2 COWL

3½-inch Silver Finish Metal Dial with Black Figures, Heavy Plate Glass Crystal, Height Over All 3½ inches, Width 3½ inches, Weight per Clock 1 lb.

	Each
No. 12N Nickel Plate Case	$10 00
No. 12BN Black Enamelled Case with Nickel Rim	10 00



This Clock is Suitable for all Electrics and Makes a Very Attractive Appearance on the Cowl Dash when Clock is Not to be Concentrate.

MODEL L

3½-inch Silver Finish Metal Dial with Black Figures, Heavy Plate Plate Glass Crystal, Height 3¾ inches, Width 3¾ inches, Weight per Clock 1¼ lbs.

	Each
No. LBN—Black Enameled Case with Nickel Rim	$5 50
No. LN—Nickel Plated Case	5 50

AUTOMOBILE WATCHES

DJANE

Light Solid Brass Case Polished with offset Holding a Complete Watch, One Day Time Movement, Stem Wind and Set; 1¾ inches White Dial; Height 2¾ inches, Width 2¾ inches.

	Each
No. DUPB	$3 00

One in a box
Weight per clock 3½ lb.

Heavy Solid Brass Case Polished with offset Holding a Complete Watch, One Day Time, Stem Wind Set; 1¾ inch White Dial, Height 2¾ inches Width 2¾ inches.

	Each
No. DEPB	$3 70

One in a box
Weight per clock 3¼ lb.

DEVERE

A Card of Directions For Fastening Watch to Dash Board, Packed in Each Box

MOTORCYCLE WATCHES

NEBO

Fastened to Handle Bars of Motorcycle or Bicycle

Polished Solid Brass Case, Holding a Complete Watch, 1 Day Time, Stem Wind and Set, 1¾ inch Dial; Height 2¾ inches. Width 2¾ inches.

	Each
No. NB—Weight 3¼ lb.	$3 70

One in a box

"DIAMOND EDGE IS A QUALITY PLEDGE"

AUTOMOBILE CLOCKS

FULLY WARRANTED

SHAPLEIGH HARDWARE CO.

ON TIME

These Clocks are Made of the Best Grade of Materials and are Very Handsome in Appearance and Workmanship, Very Strong and Durable Built Especially to Withstand the Hard Usage and Vibration of Automobile Travel. Perfect in Construction and Good Time Keepers. Easily Attached to Dash by Three-Wood Screws, and Conceals very High Grade Three-jewel Pearsol Movements that are not Subject to Jar or Vibration

For Use on Straight Dash Board

	Each
No. 6N —Nickel Plated Case	$3 00
No. 6BN —Black Enamel with Nickel Rim	3 00
No. 6BN— Black Enamel with Nickel Rim	$4 50

Fine 8-Hour Movement with Seconds Hand ... Furnished in Nickel and Black Enamel with Nickel Trimmings. Solid Silver Finish Dial. Height 3¼ inches, Width 3 inches. ... Weight per Clock 14 oz.

Note—To Lever-set Movement for Winding and Setting Clock, Pull Outward on the Knob under the Figure Six and Outward on the Knob under the Figure Twelve at the Same Time. The Bottom Knob is not to Wind the Clock but a Catch to Hold the Movement in place.

For Use on Cowl Dash Board

The Movement in the Same as Used in the Nos. 5N and 5BN Cases and Has Given General Satisfaction. Furnished in Nickel Plated Case. Extreme Length 3 inches, 2 inches wide. Dial with Seconds Hand, Heavy Plate Glass Crystal. Weight per Clock 8 ozs.

Note—To Lever-set the Movement for Winding and Setting Clock, Pull Outward on the Knob under the Figure Six and Outward on the Knob under the Figure Twelve at the Same Time. The Bottom Knob is not to Wind the Clock but a Catch to Hold the Movement in place.

The Same High Per... ment ... a Dial ... and ... Nickel ... Dial ... Seconds ... Movement ... Cowl ... Nickel ... Finish ... Glass ... Case ... Weight ... Ounces.

Note—A ... Catch ... the ... Movement ... Case ... Movement ... Clock.

	Each
No. 6N —Nickel Plated Case	$3 50
No. 5N —Nickel Plated Case	$4 50

NEW ORMOND

... Solid Brass Case, ... Nickel Plated ... Dial ... Figures ... Heavy Bevel Plate Glass Crystal, Bezel ... Dial, Height 4 inches, Width 4 inches. One in a Box. Weight per Clock 1½ lb.

JERICHO

... Brass Case, Finished in Statuary Bronze ... Nickel ... Dial ... Figures ... Heavy Bevel Plate Glass ... Dial, Height 4 inches, Width 4 inches. One in a Box. Weight per Clock 2 lbs.

	Each
No. NONP—Nickel Plated Case	$3 00
No. NOPB—Polished Brass Case	3 00
No. NOBE—Black Enamel Case	3 00
No. JPN—Nickel Plated Case	$3 50
No. JPB—Polished Brass Case	3 50
No. JBE—Black Enamel Case	3 50

"Diamond Edge is a Quality Pledge"

AUTOMOBILE CLOCKS

PHINNEY-WALKER

FULLY WARRANTED

Fine Quick Beat 8-Day Time Movements, Cases Finished in Polished Brass, Nickel and Black Enamel with Nickel Rim

These Clocks Meet the Demand for a ... Made of the Best ... Strength, Built ... Travel. Perfect in Construction and Good Time Keepers. Easily ... by Special Locking Device.

Note—To Wind Keyless Clock, Take Bezel of Clock to the Right—Once a Week to Set or Regulate Clock Lozenge and Take Off Bezel by Turning to Left.

MODEL M JUNIOR

For Use on Straight Dash Board

... Silver Finish Metal Dial with Black Figures, Heavy Plain Plate Glass Crystal, Height Over All 2¾ inches; Width 3 inches. Weight per Clock ... Each 0.50

No. MJB—Polished Brass Case ...

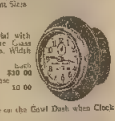
Note—A Card of Instructions for Winding Clock and Directions for Fastening Clock to Dashboard of Automobile Packed With Each Clock. Each Clock was Equipped with Key for Winding and Screws and Studs for Fastening to Dashboard.

These Clocks are Especially Designed for Countersinking in the Dash So As to Project Only Say Enough to be Wound, Very Neat in Appearance and are Furnished in Different Sizes and Styles as Shown

MODEL NO. 7 COWL

2¾ Inch Silver Finish Steel Dial with Black Figures, Heavy Plain Plate Glass Crystal, Height Over All 3¼ inches Width 2¾ inches, Weight per Clock 2 lbs.

	Each
No. 7BN—Black Enamelled Case with Nickel Rim	$30 00



MODEL NO. 2 COWL

2½ Inch Silver Finish Metal Dial with Black Figures, Heavy Plain Plate Glass Crystal, Height Over All 3¼ inches, Width 2½ inches, Weight per Clock 1½ lbs.

	Each
No. 2BN—Nickel Plated Case	$30 00
No. 2BN. Black Enameled Case with Nickel Rim.	10 00

This Clock is Suitable for all Electrics and Makes a Very Attractive Appearance on the Cowl Dash when Clock is Not to be Countersunk.

MODEL L

... Silver Finish Metal Dial with Black Figures Heavy Plain Plate Glass Crystal, Height 2¾ inches. Width 2¾ inches. Weight per Clock 1¼ lbs. Each $0.50

No. LBN Black Enameled Case with Nickel Rim. ... 0 50

No. LN—Nickel Plated Case. ... 0 50

AUTOMOBILE WATCHES

Light Solid Brass Case, Polished with offset Holding a Complete Watch, One Day Time Movement, Stem Wind and Set; 1¾ in. White Dial, Height 3¾ inches, Width 2¾ inches.

	Each
No. DUPB	$3 00

One in a box

Weight per clock 1½ lb

DIANE

Heavy Solid Brass Case Polished with offset Holding a Complete Watch; One Day Time, Stem Wind Set, 1¼ inch White Dial, Height 3¾ inches, Width 2¾ inches

	Each
No. DEPB, ...	$3 70

One in a box

Weight per clock 1½ lb.

DEVERE

A Card of Directions For Fastening Watch to Dash Board, Packed in Each Box

MOTORCYCLE WATCHES

NEBO

Fastened on Handle Bars of Motorcycle or Bicycle

Polished Solid Brass Case, Holding a Complete Watch, 1 Day Time, Stem Wind and Set, 1½ inch Dial, Height 2¾ inches, Width 2¾ inches.

	Each
No. NB—Weight 3¢ lb. ...	$3 75

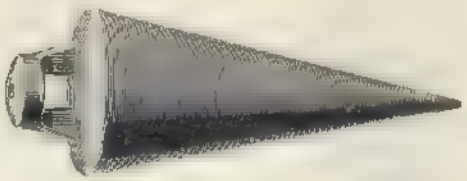
One in a box

PLUMB BOBS

No. 1 Iron, staple top, weight 9 ounces, per dozen.....$1.35
One dozen in a box

No. 00 Iron, adjusted top, weight 1 pound 2 ounces each, per dozen.$2.70
One half dozen in a box

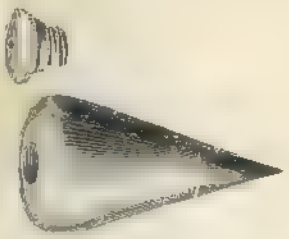
No. 2 Iron, adjusted top, weight 9½ ounces each, per dozen... ...$1.45
One dozen in a box



Iron, nickel plated, adjusted top

No. N30	Weight 12 ounces, per dozen.. .	$2 80
No. N31	Weight 18 ounces, per dozen.	. 3 8(

One half dozen in a box



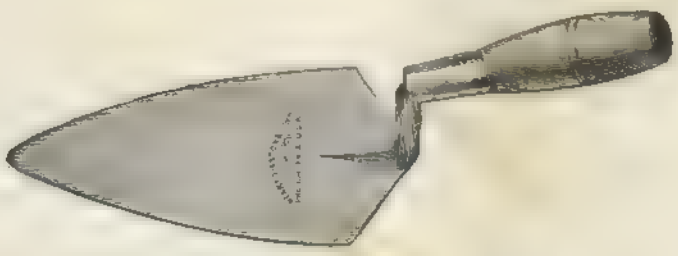
Cast Brass

Steel pointed, screw top.

No. 5	Weight 6 ounces each. per dozen....	$ 7.25
No. 6	Weight 11½ ounces each, per dozen	10 00

One half dozen in a box

BRICK TROWELS



Disston's Philadelphia pattern cast steel solid shank

Length, inches	10	11	12
Weight per dozen, pounds.....	13	14	15
No. 10 Per dozen	$11.00	12.00	13.00

One half dozen in a box

Rose Philadelphia pattern wide neck cast steel, solid shank

Length, inches	10	11	12
Weight per dozen, pounds	13	14	14½
Per dozen $13.25		14.25	15.25

One half dozen in a box

No. 170 Steel blade, riveted shank length 10 inches, weight per dozen 8 pounds per dozen $3.60
One half dozen in a box

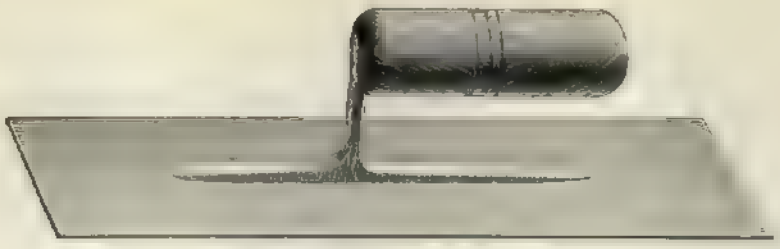
POINTING TROWEL

No. 160 Steel blade, malleable iron shank, nickel ferrule, length 5½ inches, weight per dozen 3 pounds, per dozen.$1.25
Two dozen in a box

No. 15 Cast steel, solid shank, length 5½ inches, weight per dozen 3 pounds per dozen..... . . . .$5 00
One half dozen in a box

PLASTERING TROWELS

DISSTON'S

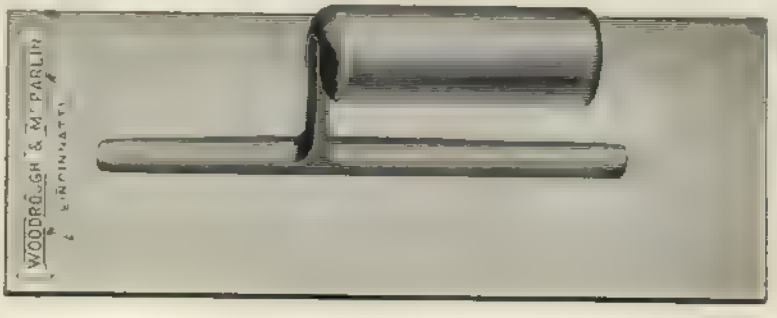


Cast Steel, Cincinnati Pattern

Length, inches	11	12
Width, inches	4⅝	4⅞
Weight per dozen, pounds	13	13¾
Per dozen	$13.50	15.75

One half dozen in a box

WOODROUGH & McPARLIN



Cast Steel, Cincinnati Pattern, High Mounted, Poplar Handles

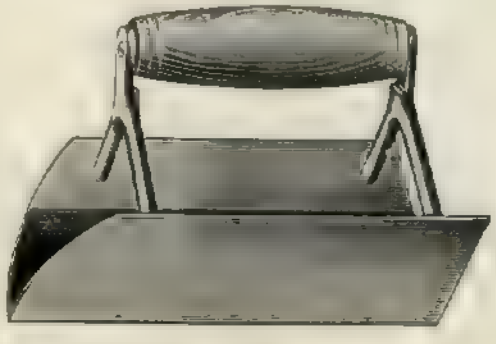
Length, inches	11	12
Width, inches	4⅝	5
Weight per dozen, pounds	13	14
Per dozen	$13.00	14.00

One third dozen in a box

No. 180 Bright steel blade, natural wood handle, length 10 inches, weight per dozen 11 pounds, per dozen....**$3.60**

One half dozen in a box

CORNER TROWELS



No. 188 Corner Trowel, length 6 inches, weight per dozen 10 pounds, per dozen $7.00

One half dozen in a box

PLUMB BOBS

IRON

Adjusted Top, Japanned.

	Per Dozen
No. 2—Weight Each 9½ Oz.	$1.08

One Dozen in a Box.

Adjusted Top, Japanned.

	Per Dozen
No. 00—Weight Each 1 Lb. 2 Oz.	$1 92
No. 0—Weight Each 2 Lb. 10 Oz.	4.20

One-half Dozen in a Box

HOLD FAST

High Carbon Hexagon Steel, Nickel Plated, Tempered Point, Complete with 7½ ft. Braided Linen Twine.

Nos.	14	16	18
Weight Each, Oz.	4	6	8
Per Dozen	$2.25	2.40	2.50

One in a Carton, Six Cartons in a Box.

BRASS

Cast Brass, Hardened Cast Steel Point, Screw Top.

Nos.	2	3
Weight Each, Oz.	6½	12
Per Dozen	$5 00	7.50

One-half Dozen in a Box.

STANLEY'S ADJUSTABLE

Bronze Metal, Polished, with Reel and Line.

Nos.	1-S	2-S
Length, Inches	3½	4
Weight Each, Lbs.	⅝	¾
Per Dozen	$18.00	21.00

A spring, which has its bearing on the end, will check and hold the bob firmly at any point on the line.

One in a Box.

STARRETT'S MERCURY

No. 87—Nickel Plated Knurled Steel Body, Filled with Mercury, Hardened Point, Complete with Braided Silk Line.

Weight Each, Oz.	3½	6	12	16
Length, Inches	4	5	5½	6
Diameter, Inches	½	⅝	⅞	1
Each	$1.75	1.75	2.25	2.75

Fitted with a patented device for fastening the string without a knot to tie or untie, simply by drawing it into the peculiarly slotted neck at the top, after unwinding the required length, when the bob will hang perfectly true.

One in a Box.

B. & S. MERCURY

No. 790—Nickel Plated Steel Body, Filled with Mercury or Quicksilver, Hardened Point, Complete with Braided Silk Line.

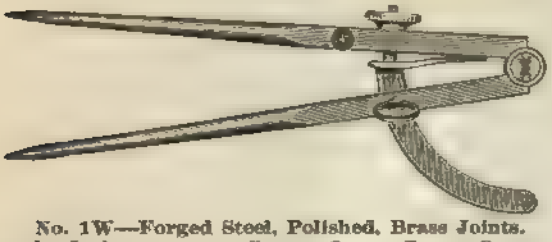
Weight Each, Oz.	3½	6	12	16
Length, Inches	4	4½	5⅜	6
Diameter, Inches	½	⅝	⅞	1
Each	$1.25	1.75	2.25	2.75

An important feature is the device for fastening the string without a knot, to any desired length. After unwinding the required length, the cord is inserted in a slot in a taper stud, and the knurled cap, which has a taper hole, is forced over it, thus making the bob hang true.

One in a Box.

DIVIDERS

WING



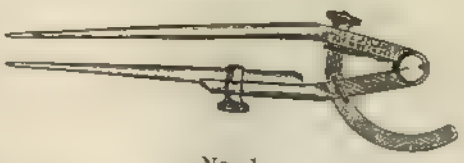
No. 1W—Forged Steel, Polished, Brass Joints.

Length, Inches	5	6	7	8	9
Wt. Per Dozen, Lbs.	2 5/8	3 1/16	3 5/8	4 1/8	6 1/4
Per Dozen	$5.50	5.50	6.50	7.50	9 00

Length, Inches	10	12	15	18
Wt Per Dozen, Lbs	7 3/4	9	13	18
Per Dozen	$10.00	12.00	18.00	25.00

5 to 8 in., One Dozen, Balance, One-half Dozen in a Box.

EXTENSION



No. 1.

No. 1—Cast Steel, Polished, One Movable Point.

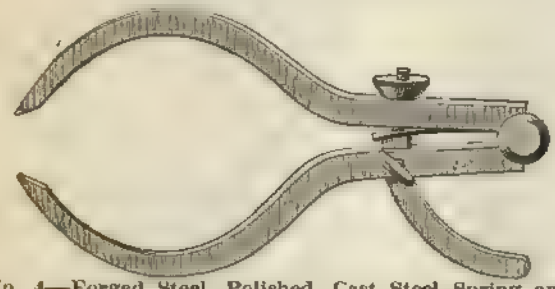
Length, Inches	6	7	8	10
Wt Per Dozen, Lbs.	4	4 1/2	4 3/4	6
Per Dozen	$9.00	10.00	11.00	12.00

No. 2—Cast Steel, Polished, Two Movable Points.

Length, Inches	8	10
Weight Per Dozen, Lbs.	5 1/2	7
Per Dozen	$12 00	18.00

One-half Dozen in a Box

WING CALIPERS



No. 4—Forged Steel, Polished, Cast Steel Spring and Set Screw.

Length, Inches	6	8	10
Weight Per Dozen, Lbs.	3 1/4	4 1/2	7 1/4
Per Dozen	$7.00	9.00	11.00

One-half Dozen in a Box.

GEM SCRIBERS

Per Dozen

Gem New Style—3 1/4 in. Long, Polished Stamped Steel Frame, Steel Set Screw and Thumb Nut, One Leg with Adjustable Steel Point and One to Hold Pencil, Weight Per Dozen 1 Lb. $5 00

One Dozen in a Box.

PENCIL HOLDERS

STANLEY'S

In Use.

Full Size.

Per Dozen

No. 8—Steel, Nickel Plated, with Thumb Screw, for Attaching to a Pair of Ordinary Dividers, Weight Per Dozen 1/2 Lb. $1.25

Two Dozen in a Box

EXCELSIOR

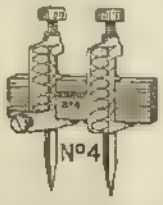
Per Dozen

Excelsior—Brass, Nicely Tinned, Can be Attached to Any Divider or Compass for Marking Circles, Weight Per Dozen 5/8 Lbs. $2.75

One Dozen in a Box.

TRAMMEL POINTS

STANLEY'S



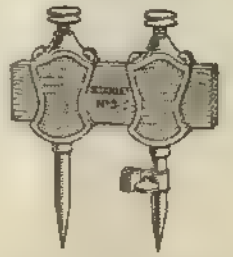
Iron, Nickel Plated, Steel Points, with Pencil Socket.

Per Dozen Sets

No. 4—4 1/2 in. Long, for Straight Edge up to 1 1/4 in., Weight Per Dozen Sets 3 Lbs. $9 00

Can be attached to one side of any straight stick. The pencil socket will take an ordinary sized pencil, or a full sized oval shaped carpenter's pencil

One Set in a Box.



Bronze Metal, Steel Points, with Pencil Socket.

Nos.	1	2	3
Length, Inches	3 1/2	4 1/2	5 1/2
For Straight Edge, Inches.	5/8	1	1 1/4
Wt. Per Dozen Sets, Lbs.	3	4 1/2	7 1/2
Per Dozen Sets	$14 40	18 00	25 00

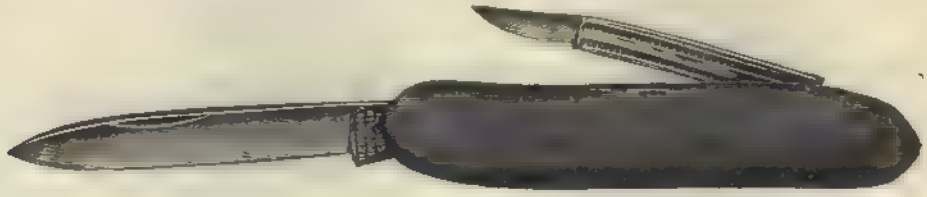
One Set in a Box.

POCKET KNIVES

Cuts Full Size.

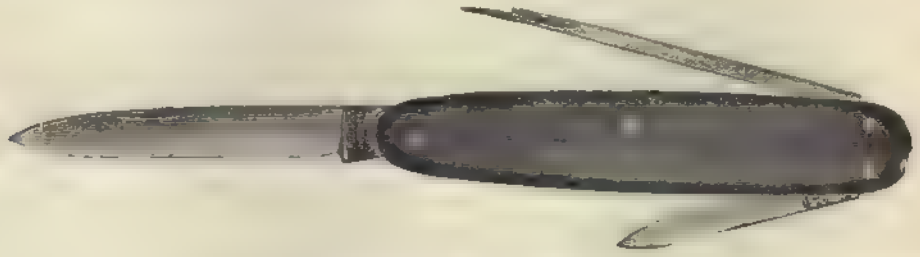
Per Dozen

No. 7097—Vest Pocket, Two Pen Blades, Full Crocus Polished 2½ in. Pearl Handle. . $
One-half Dozen in a Box.



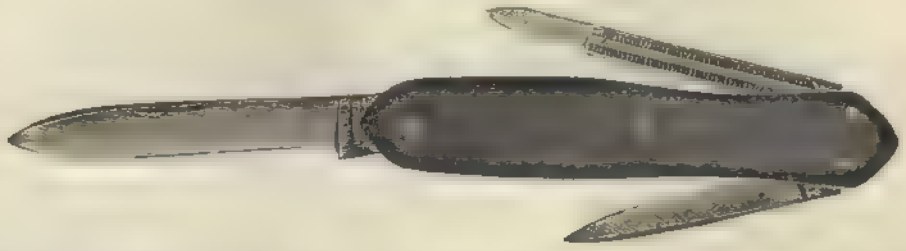
Per Dozen

No. 7288—Manicure, Two Blades, 1 Pen and Nail File Full Crocus Polished 3 in. Double Spring Gun Metal Finished Handle ..... $.....
One-half Dozen in a Box



Per Dozen

No. 7002—Manicure, Three Blades, 2 Pen and Nail File Full Crocus Polished 3 in. Double Spring Gun Metal Finished Handle ..... $.....
One-half Dozen in a Box



Per Dozen

No. 0909—Manicure, Three Blades 2 Pen and Nail File Full Crocus Polished 3 in Double Spring Gun Metal Finished Handle ..... $ ..
One-half Dozen in a Box.

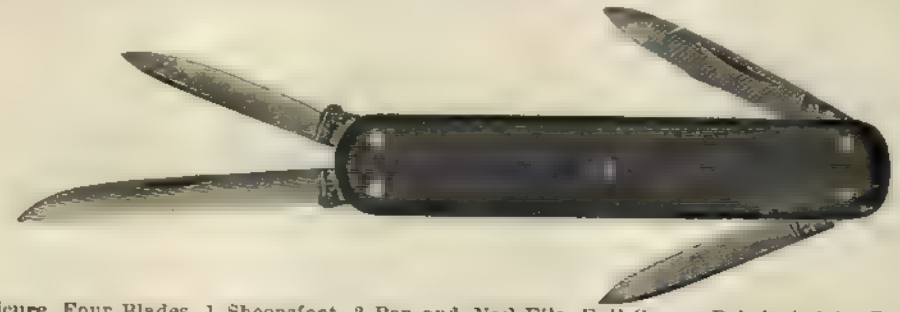
Per Dozen

No. 7287—Manicure, Three Blades 2 Pen and Nail File Full Crocus Polished 2¾ in. Double Spring Frosted Finish White Metal Handle with Fancy Etching. . . . . $
One-half Dozen in a Box

POCKET KNIVES

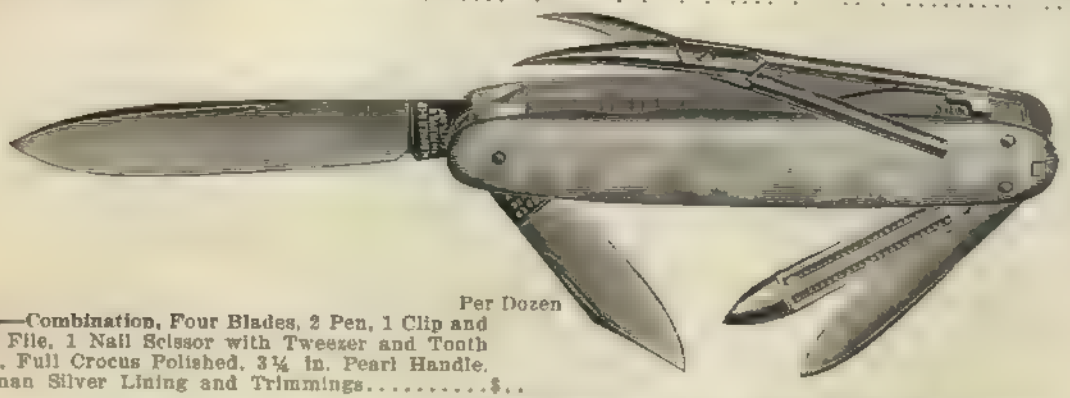
Cuts Full Size.

No. 6441—Four Blades 1 Large Sheepsfoot, 2 Pen and Nail File, Full Crocus Polished, 3¼ in. Pearl Handle, German Silver Lining and Shield..... Per Dozen ....$.....

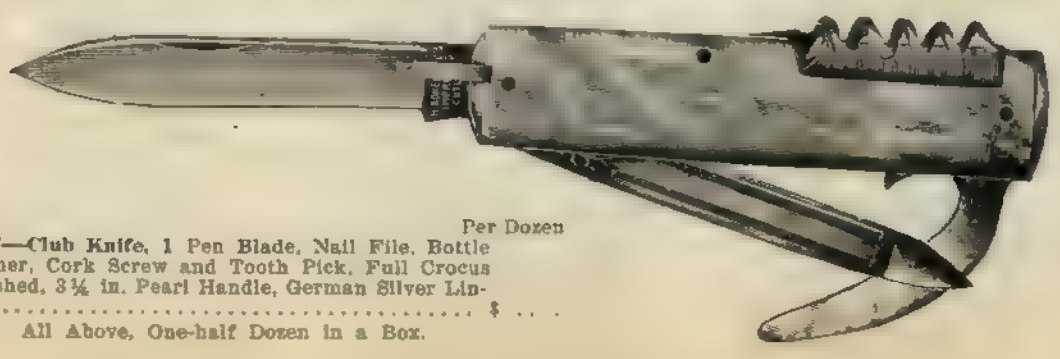


No. 7003—Manicure. Four Blades, 1 Sheepsfoot, 2 Pen and Nail File, Full Crocus Polished, 3 in. Double Spring Gun Metal Finished Handle..... Per Dozen ....$.....

No. 7269 Two Pen Blades and Nail Scissors, Full Crocus Polished 3 in. Frosted and Etched White Metal Finished Handle ..... Per Dozen ....$.....



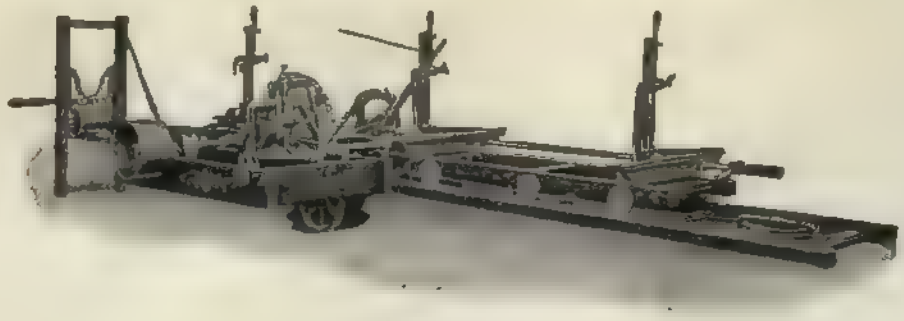
No. 7228—Combination, Four Blades, 2 Pen, 1 Clip and Nail File, 1 Nail Scissor with Tweezer and Tooth Pick, Full Crocus Polished, 3¼ in. Pearl Handle, German Silver Lining and Trimmings.....$.. Per Dozen



No. 7207—Club Knife, 1 Pen Blade, Nail File, Bottle Opener, Cork Screw and Tooth Pick, Full Crocus Polished, 3¼ in. Pearl Handle, German Silver Lining ..... $ . . . Per Dozen

All Above, One-half Dozen in a Box.

*PORTABLE CIRCULAR SAW MILLS



Principal Dimensions

Number of Mill	Husk or Main Frame: Length in feet	Width in feet	Size of Timbers in inches	Number of Timbers	Carriage: Width Inside Timbers	Width Outside Timbers	Distance Rail Wheels	Distance of Axles	Number of Bolts in Each Timber Carriage	Diameter of Set Shaft	Size of Way Timbers in inches	Diameter of Head Blocks	Length of Head Blocks	Number of Head Blocks	Distance Between Centers of Saws in inches	Distance Between Saws in inches	Number of Feet of Ways	Approximate Size of Saw Mill will Swing in inches	Top Rig: Diameter of Mandrel in inches	Size of Top Rig Pulley in inches	Size of Mandrel Pulley in inches	Number of Saws Furnished	Approximate Weights Regular Catalogue Mills: Single Mill	With Top Rig
5A	8–8	4–4	4	x10	4	x5	28	36	7½	1⅞	6	1⅝	4	x5	21	5	10½	34	18	10	10	12	40 to 52						
4A	8–8	4–7½	4	x12	4	x5	30	38	7½	1⅞	6	1⅝	4	x5	24	x6	21	36	20	12	10½	12	46 to 54				5900		
3A	9–3	4–10	4	x12	4	x5	32	41	8¾	1⅞	8	2	4	x5½	24	x6	21	40	20	12	10½	12	51 to 58	2	x24	x10	12 x 10	28	6500	7400
2A	9–6	5–4	4	x12	4	x5	34	43	8¾	1⅞	8	2⅜	4	x5½	24	x6	21	42	22	14	14	14	56 to 60	2	x24	x10	12 x 10	30	7000	8800

No. 5A Georgia 20 foot carriage, 50 feet of ways, 2 head blocks with Pony dogs, Farquhar patent chain set works, Reamy Variable Friction Feed straight belt with wire cable drive, belt tightener, 2 cant hooks, crow bar, monkey wrench, saw wrench, and oil can. Suitable for saws from 40 to 52 inches. Average capacity, from 2,000 to 6,000 feet per day. Minimum power recommended, 10 H. P. steam engine $540 00

No lumber truck irons furnished with this mill unless ordered as an extra.

No. 4A Florida 20 foot carriage, 50 feet of ways, 2 head blocks with Pony dogs, Farquhar patent chain set works, Reamy Variable Friction Feed straight belt with wire cable drive, belt tightener, lumber truck irons, 2 cant hooks, crow bar, monkey wrench, saw wrench, and oil can. Suitable for saws from 46 to 54 inches. Average capacity, 3,000 to 8,000 feet per day. Minimum power recommended 15 H. P. steam engine 375 00

Illinois Top rig complete with pulley and belt to drive same, no saw, suitable for saws from 28 to 32 inches, extra. 150 00

No. 3A Delaware 25 foot carriage, 60 feet of ways, 2 head blocks, with Pony dogs, Farquhar patent chain set works, friction power receder for knees, Reamy Variable Friction Feed straight belt with wire cable drive, belt tightener, lumber irons, 2 cant hooks, crow bar, monkey wrench, saw wrench, and oil can. Suitable for saws from 50 to 58 inches. Average capacity 5,000 to 10,000 feet per day. Minimum power recommended, 20 H. P. steam engine 450 00

No. 2A California 25 foot carriage, 60 feet of ways, 2 head blocks, with Pony dogs, Farquhar patent chain set works, friction power receder for knees, Reamy Variable Friction Feed straight belt with wire cable drive, belt tightener, lumber truck irons, 2 cant hooks, crow bar, monkey wrench, saw wrench, and oil can. Suitable for saws from 56 to 60 inches. Average capacity, 10,000 to 15,000 feet per day. Minimum power recommended 35 H. P. steam engine. 500 00

Colorado Top rig complete with pulley and belt to drive same, no saw, suitable for saws from 30 to 36 inches, extra. 165 00

Idaho Farquhar Pony Saw Mill. Complete per regular specifications, with 16 feet of carriage, 40 feet of steel track for ways, timbers, variable friction feed, made to carry up to and including 52 inch saw, cog gear drive, 2 head blocks with Monitor dogs, monkey wrench, saw wrench and oil can. 240.00

Rack and pinion drive can also be furnished with any of above mills.

All mills are made right or left hand. Right hand will always be shipped unless left hand is specified.

Saws and main belts are not included with mills unless specified in the order as extras.

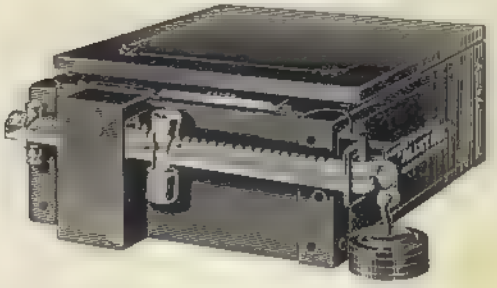
Where a mill is ordered without saw, be sure to give size of saw to be used; also speed of engine and size of drive pulley; also speed for which saw to be used is hammered.

Saw swage is furnished with all solid tooth saws ordered with mills, but not with inserted tooth.

*Not carried in stock; can be shipped promptly from factory.

PARCEL POST SCALE

TRINER'S



The "ALLSTEEL" 100 pounds capacity, Beam Platform Parcel Post Scale is made throughout of cold rolled steel, absolutely no castings used, and is dust proof and almost indestructible.

It is accurate, sensitive and compact. The beam is below the platform at an angle of 45 degrees, easily read, and makes it very convenient for the weigher, as no part of the scale projects above the platform, and any shape or size of package can be weighed with absolute accuracy.

The scale is furnished with a computing chart up to the 50 pound limit, which is independent of the weighing part of the scale and can be changed by anyone at a very small cost, should further changes take effect in parcel post rates.

It is handsomely enameled in black and decorated in gold. The brass beam and poises are highly polished and lacquered.

Triner's "ALLSTEEL" Parcel Post Scale Capacity 100 pounds. Specially designed for parcel post and adopted by the United States Government for equipping their entire parcel post service. Furnished with a computing chart up to the 50 pound limit ..... each, **$24.00**

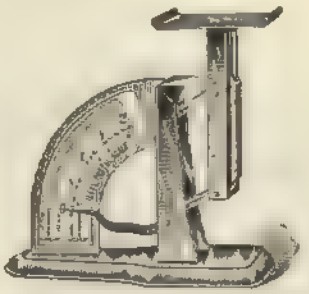
POSTAL SCALES

DISPATCH

An up-to-date scale for weighing packages for parcel post. Capacity, 20 pounds by ounces. Has computing chart, automatically giving amount of postage in different zones. Numbers of zones are printed in black; figures showing amount of postage are in red

Each **$4.00**

IDEAL



The **"Ideal"** Postal Scale is well suited for offices and stores. Weighs up to two pounds by one-half ounces for foreign postage.

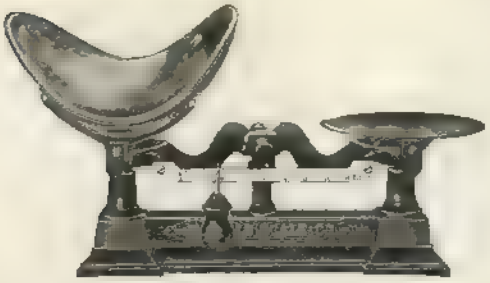
Instantly indicates in plain figures the exact cost of postage in cents on all classes of mail matter to all possessions of the United States, Canada, Mexico, Cuba, etc.

Substantially built of the best cold rolled steel, and beautifully finished in black enamel, oxidized copper, or full nickel plate. Size, 6 inches high, 4 inches wide, 6½ inches deep. Weight boxed, 20 ounces

Each **$2.00**

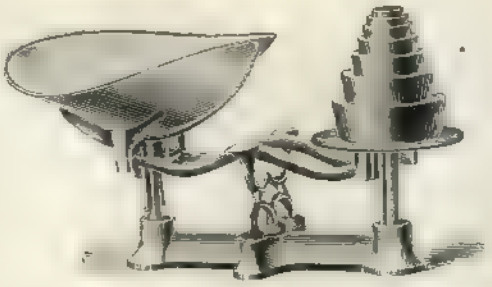
COUNTER SCALES

EVEN BALANCE



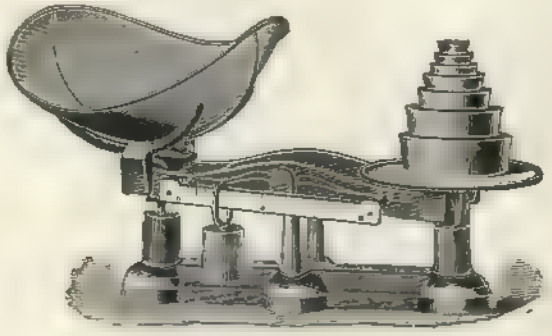
Extra finish, black and gold brass side beam.

Nos.	632	636	640	642
Capacity, pounds	4	8	16	16
Scale	Tin	Tin	Tin	Brass
Weight, pounds	25	35	45	45
Each	$6 00	7.00	10.00	11.00



No. 161L Hatch pattern tea scale, capacity 4 pounds by ½ ounces, japanned frame, levers and weights, tin scoop, size 12x5½, weight each 9 pounds each . . . $1.50

No. 182 Hatch improved, capacity 8 pounds by ½ ounces japanned frame, tin scoop, weight each 34 pounds. Each 3.75



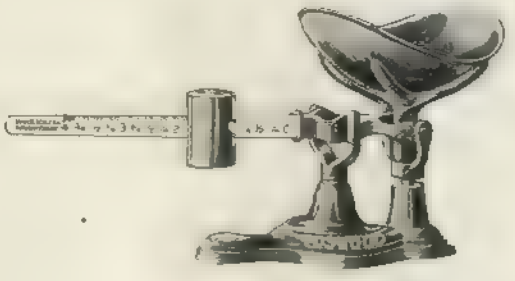
No. 351 Size tare beam capacity 4½ pounds by ⅛ ounces, japanned and striped, sealed weights, tin scoop, weight 26 pounds each $4 50

BUFFALO MEAT AND BUTTER

Hands cut, finished in black and gold, full capacity, double beam, no loose weights

No. 675 ½ ounce to 12 pounds, weight 30 pounds each $13 50
No. 679 1 ounce to 24 pounds, weight 40 pounds each . 14 51

CANDY, TOBACCO AND SPICE



No. 496 Handsomely finished, brass notched beam, sliding poise, brass scoop, no loose weights required capacity ¼ ounce to 4 pounds, weight 12 pounds, each . $10 00

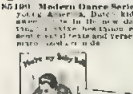
POST CARDS THE LATEST SELECTION

Right up-to-date—all the snappy new sellers—big variety in every assortment. Our exceptionally attractive prices give you an excellent margin for profit.

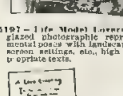
COMICS AND MISCELLANEOUS.

85176—Letter Reminders. 72 subjects, humorous juvenile and full grown characters, appropriate pen and ink decorations, water color pencils and shaded onyx grounds, pointed texts. Assd. 100 in box. Per 100.. .35c

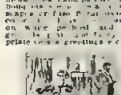
85193—Up-to-the Minute-Hits. 48 subjects, new topics of the day, sentimental kittens, soldiers, sweethearts, young Americans, navy, new hymeneals and up-to-the-minute limericks, bright water color process on buff color grounds. Per 100.. .35c



85189—Modern Dance Series. 36 subjects of the latest American Dance kinks and crazes in the new dances of the day, with appropriate texts and verses, with polished metal cover designs and colored panels. Per 100 .39c

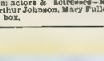


85197—Life Model Lovers. 42 subjects glazed photographic reproduction sentimental poses with landscape, automobile, sereen settings, etc., high color litho, 3-D photo texts. Per 100 .39c



85354—Greetings & Best Wishes. 60 subjects large floral cluster with child head inside, hand and floral decorations, floral border corners, floral decorations in black and gold, and other attractive designs on white and colored backgrounds, gilt edges, appropriate greetings etc. Per 100 .40c

85318—Dunfert's Colored Comics. 72 new subjects, photo reproductions in natural colors, white glazed stock. Assd. 100 in box. Per 100.. .42c



85194—Moving Picture Stars. 50 subjects bright & colorful litho. America's best known film actors & actresses—Maurice Costello, Arthur Johnson, Mary Fuller, etc. 100 assd in box. Per 100 .52c

COMICS AND MISCELLANEOUS Contd.

85183 Celluloid or Gelatine Finish 48 subjects, new and popular humorous juvenile and full grown characters, bright and attractive colorings, heavy, celluloid or gelatine finish, pointed texts and sentiments. Assd. 100 in box. Per 100 .95c

85171 "Boy Scouts of America." 30 subjects actual photographic reproductions of Boy Scouts in all their regulation duties, "On Parade," "Breaking Camp," "First Aid" etc., high grade photogravure process. Assd. 100 in box. Per 100 .95c

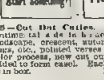
JUVENILE COMICS.

100 in box, assd., unless stated

85193—New Dutch Kids. 50 subjects, new sweethearts and quaint, Holland side of famous situations with color reminders, sentimental and comic verse, white water color process on good stock. Per 100 .30c

85194—Undressed & Intensational Kiddies. 42 subjects, new "High Class Loving" series. Undressed kiddies and quaint Yanks, Absolutely new designs, quaint, catchy, original verses, white water-color process, hands-painted effect grounds. Per 100 .35c

85240—Younger generation. 50 subjects, snappy kids by Kemble and other popular artists, new and original verses from poets, etc., high water color process on white, colored borders. Per 100 ...40c



85195—Cut Out Cuties. New embossed sentimental cards in various situations, landscape, crescent, automobile, raft scenes, etc., printed verses in bright water color process, new cut out designs, can be folded to form easel. Each in cut assd. 50 in box. Per 100 .$1.25

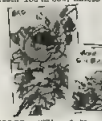
POST CARD ENVELOPE.

Inexpensive manilla, easily holds 1 doz. post cards. Cheaper to use these than to wrap cards

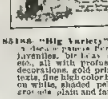
81601—6¼XX, 30 lbs., good grade manilla, well gummed. ¼ M in box .. Per M .58c

BIRTHDAY POST CARDS.

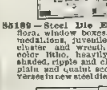
All with appropriate text and greeting. Assd. 100 in box, unless stated.



85187 "Floral Beauties." 18 subjects, pansies, violets, roses, lilies of the valley, asters, etc. in brilliant colors and flower decorations on birch bark effect grounds, highly glazed coating. Per 100 .30c



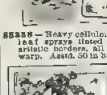
85186 "Big Variety" Assortment. 60 subjects, birthday, love, friendship, comic and juveniles, birds, flowers, pansies, roses, all with profuse floral and leaf decorations, gold printing and illuminated texts, fine high color heavily embossed litho on white, shaded polished and cloth finish grounds, plain and fancy color borders Per 100 .35c



85189—Steel Die Effects. 30 subjects floral, window boxes, landscape panels & medallions, juvenile sweethearts. Floral cluster and wreath decorations in high color litho, heavily embossed on white shaded, ripple and cloth finish grounds, plain and quaint scenic borders, texts and verses in new steel die effect. Per 100 .40c

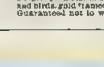
85190—Art, Floral & Landscape Series. 40 subjects, floral baskets with ribbons & bow decorations, scenic landscape panels & medallions, floral settings, dainty new art girls attractively set, brilliant water and plate water process & gold scroll decorations, fancy & novelty grounds.

Per 100 .40c



85328—Heavy celluloid finish, bird, floral & leaf sprays inlaid and shaded, grounds artistic borders, all with texts Will not warp. Assd. 50 in box Per 100. .75c

85231—Landscape Vignettes. 52 subjects best imported high color litho, heavily embossed, silk padded effect landscape panels & medallions, floral bouquets, clusters and sprays, new mounted effects in gold frames on white and shaded grounds, plain and fancy borders. Per 100 .75c



85330—50 heavy, celluloid finish, floral and leaf sprays, heavy gold lines, flowers and birds, gold framed landscapes, greetings. Guaranteed not to warp. Assd. 50 in box Per 100 .95c

BIRTHDAY POST CARDS—Contd.

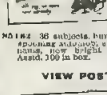
85192—Imported Aerograph Series, 25 subjects, floral panels, landscapes and fancy cluster medallions in oval frames, brilliant surface, artistic floral effects, padded effect grounds, novelty borders, pastel backs. Each in neat envelope. Assd. 50 in box EACH 2½c

85328—Novelty Cut Leather & Booklet Post Cards. 32 subjects, birthday and floral, imported lithography, heavily embossed large floral clusters, silk padded effect, landscape medallions, full size scenic panels, profuse gold decorations, cut out leaves, silk ribbon tied, illuminated verses & texts, litho laid, scene on back novel, cut out in effect, covers on white, shaded & novelty grounds, fancy borders. Each in neat envelope. Assd. 50 in box. EACH, 2½c

"ALL KINDS" POST CARD ASST.

85206—100 subjects, all kinds, assorted, quaint colored comics, new sweethearts, new years, birthday, love, and floral, artistic and sentimental. Dutch kids, cowboy girl, fair to Indian designs, bright water color process on white, tinted and shaded grounds, plain and fancy borders. Assd. in box Per 100 .25c

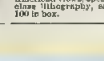
"DUTCH KID" PENNANT ASST.



85182 36 subjects, humorous juvenile love-spooning subjects, kids, etc., fancy pennants, new bright water color process Assd. 100 in box. Per 100... .30c

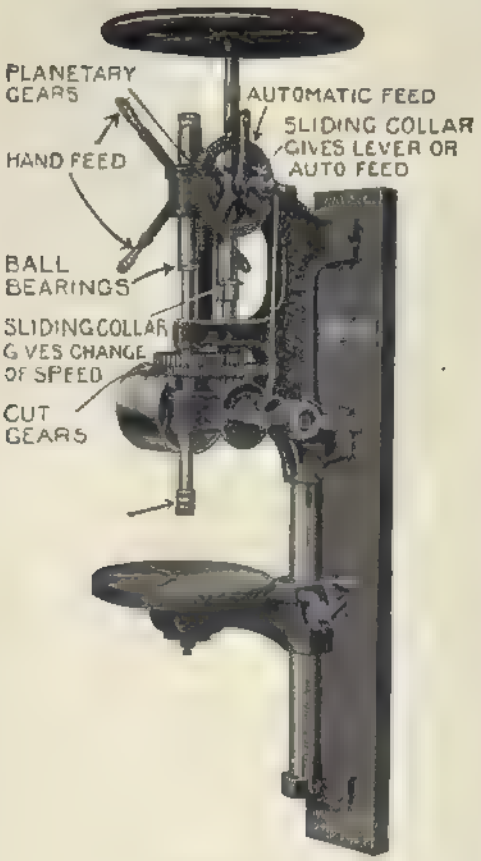
VIEW POST CARDS.

85234 Panama Canal. Set of 6 genuine photographic reproductions of the Panama Canal, new and interesting views, size 3½x5½ inches, in color litho design folder, with envelope to match. Assd. 100 in box Per 100.. .35c

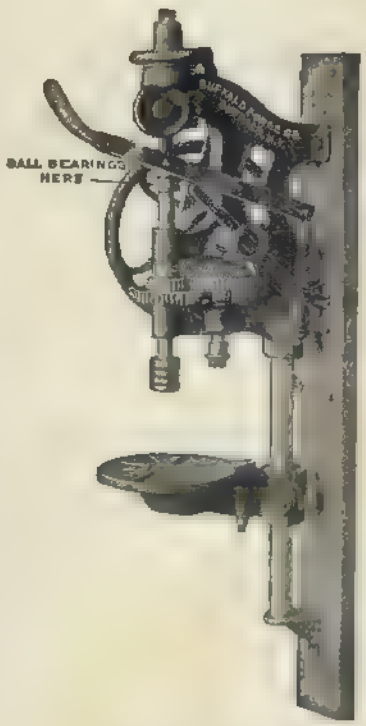


85405—Picturesque America. 50 prominent American views, special finish, high class lithography, each with title. Assd. 100 in box. Per 100.. .45c

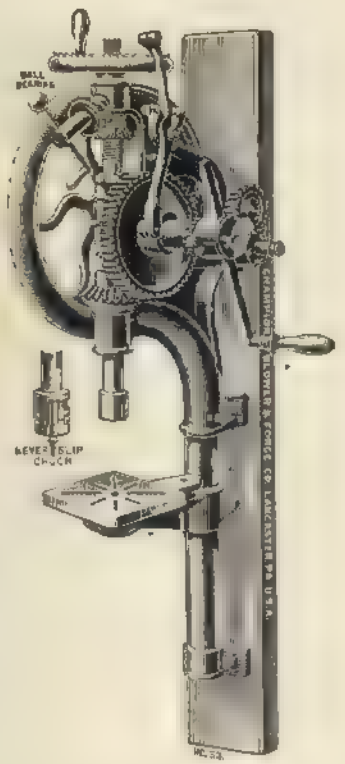
POST DRILLS



No. 91A Buffalo Ball Bearing



No. 96, 96A
Buffalo Ball Bearing



No. 4½
Champion Ball Bearing

No. 91A A Drill with every convenience characteristic of modern practice, yet of greatest simplicity

1. Every gear throughout the drill is machine cut.
2. Standard Buffalo Ball Bearings.
3. "Suregrip" Chuck.
4. Two speeds of spindle.
5. The Automatic Feed is adjustable to four speeds
6. "Quick Return" of spindle—no turning back of feed wheel after drilling
7. Change of Feed or Speed by Sliding Collar.
8. Table Rack: To raise or lower table, simply turn small crank
9. Wheel holder free with each drill

Specifications

Drills 1½ inch hole to center of 24 inch circle. Run of feed, 8 inches. Run of table 20 inches. Size of pulley, 8x3 inches. Spindle bored for ½ inch straight shank bits. Also furnished for ¾ inch or No. 2 taper, without extra charge. Weight 400 pounds. Height 72 inches.

No. 91A With tight and loose pulleys for power. . . . . each, $51.00

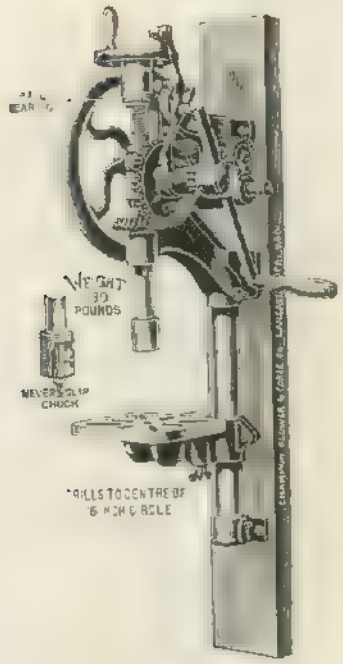
No. 96-96A Two feeds, automatic and lever, with full and instant return of drill spindle. Equipped with the "Buffalo Suregrip" Chuck, the chuck without a set screw—that does not require a wrench or other tool. Just insert the drill bit; a slight turn of chuck collar to the right or left locks it fast. A half turn of wheel changes feed from automatic to lever. This wheel is located at right of feed screw head and in line with the lever, convenient to operator. Less than a second is required to release the automatic feed, give lever control and instant full feed run return. Automatic feed is adjustable to three speeds, a few turns of screw, located on left side, back of feed screw head, gives the change.

Specifications

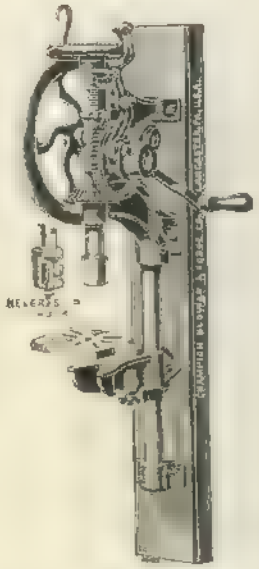
Drills 1½ inch hole to center of 18 inch circle. Run of feed 4½ inch. Run of table, 18 inches. Diameter of drill spindle, 1¼ inch. Takes ½ inch straight shank bits. (Also furnished for ¾ or ⅝ inch bits on special order.) Length over all 62 inches. Wheel holding attachment free.

		Each
No. 96	Without pulleys, weight each 220 pounds	$30.00
No. 96A	Tight and loose pulleys, with 8 inch diameter, weight each 245 pounds	34.00
No. 4½	Champion New Improved 18 inch Three Geared Ball Bearing Upright Self Feed Blacksmith Post Drill, with quick return and hand feed handle, weight 210 pounds	22.00
Extra for power		3.00

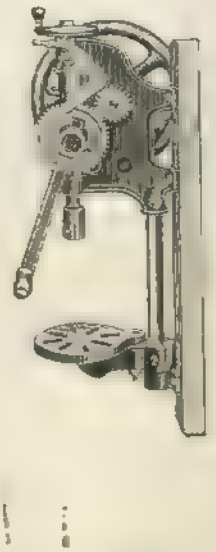
POST DRILLS



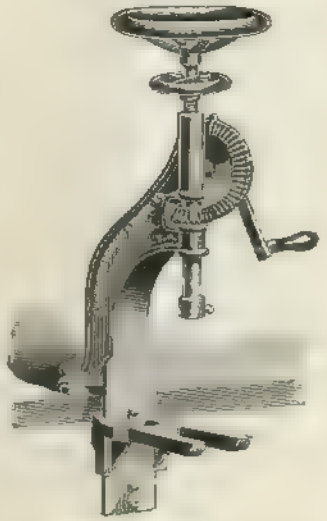
New Champion Ball Bearing



No. 90 Champion Automatic



No. 146 Buffalo Ball Bearing Drill



New Champion Bench Drill

The New Champion Ball Bearing Post Drill has 3 gear automatic feed. Will drill 1¼ inch hole to center of 16 inch circle. It has a vertical run of 3½ inches. The chuck is bored for ½ inch straight shank drills.

Weight 130 pounds, each.....$12.50

No. 90 Champion Automatic Self Feed Blacksmith Post Drill is well built and has a slotted square table lathe-turned It is a strong and stout proportioned drill for a drill of this size. Has full back gear with speed. Drills to the center of a 14½ inch circle. The bearings are all ground from the solid metal. Will bore holes up to 1 inch. Has spindle 1⅛ inch in diameter. Spindle has an up and down run of 3 inches. Is bored like Never Slip Chuck to take in ½ inch round shank drill.

Weight 100 pounds, each.....$8.50

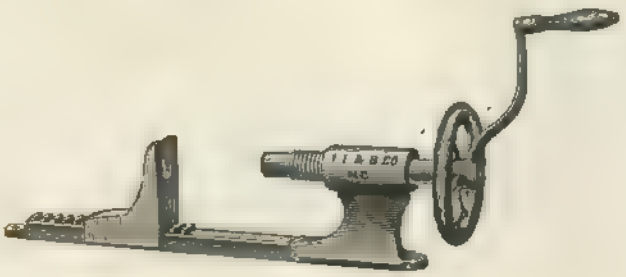
No. 146 Buffalo Post Drill has both hand and automatic feeds. The automatic feed is adjustable to three speeds. Will drill ¾ inch hole to center of 12 inch circle. Run of feed 3 inches. Run of table 9 inches.

With chuck for ½ inch shank, weight 63 pounds, each....$7.00

New Champion Bench Drill has adjustable bed plate, 26½ inches high. Drills up to ½ inch, and feed has run of 3½ inches. Takes ½ inch round or square bits.

Weight 34 pounds, each..... $6 00

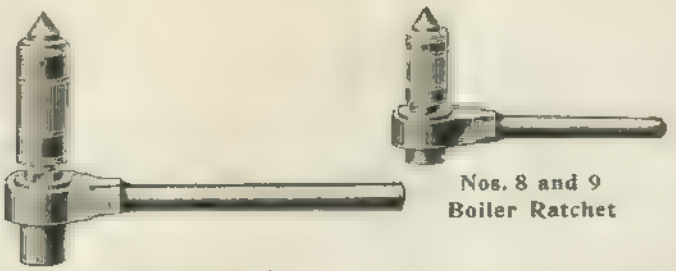
HORIZONTAL BLACKSMITHS' DRILL



For drilling tires and other small work. Fitted for square shank bits

No. 1 Solid standard, weight 24 pounds, each. .$4.00

RATCHET DRILLS



Nos. 8 and 9 Boiler Ratchet

Nos. 4, 5 and 6

			Price
No. 4	Weight 5	pounds, length lever 10 inches	$10 50
No. 5	Weight 5½	pounds, length lever 12 inches.	13 50
No. 6	Weight 6	pounds, length lever 15 inches..	16 00
No. 8	Weight 4	pounds, length lever 10 inches...	9 00
No. 9	Weight 4½	pounds, length lever 12 inches..	10 50

POCKET KNIVES.

TOOL KNIVES.

No. 3H—Five tools, 1 large blade, 1 punch, 1 screw driver, 1 hoof cleaner, 1 combination pincer and file cutter, glazed, stag, brass lined, length 4¼ in., closed, per dozen **ABFJ** $21.00

COMBINATION KNIVES.

No. 7945R—Six Tools, 1 large blade, 1 small blade, 1 can opener, 1 cork screw, 1 punch, 1 combination screwdriver and tack claw, polished, red fibre handle, with large head German silver rivets, brass lined, 3½ in. closed . . . . . per doz **AFBJ** $24 00

No. 7944R—Six Tools, 1 large blade, 1 small blade, 1 can opener, 1 cork screw, 1 punch, 1 combination screwdriver and tack claw, polished, black fibre handle with large head, German silver rivets, brass lined, 3½ in. closed. . . . . per doz. **AFBJ** $24.00

No. 5195—Morley, five tools, 1 punch, 1 large blade, 1 pair of pliers, 1 pair of wire cutters, 1 screw driver, stag, brass lined, steel bolsters and shackle, made of finest English steel, length over all 4½ in., per dozen . . . . . **ADDJ** $24.00

ONE-HALF DOZEN IN A BOX.

PRESS BUTTON KNIVES.

No. 953—1 large clip blade, etched, The Victor, polished, stag, iron lined with German silver guard, 4⅝ in. closed. . . . . per dozen **AADJ** $19 00

No. 951—1 spear and 1 pen blade, full polished, stag, brass lined, 2⅞ in. closed. . . . . per dozen **JGBJ** $12.00

No. 954—1 spear and 1 pen blade, full polished, black buffalo, brass lined, 2⅞ in. closed. . . . per dozen **JGHJ** 13.00

No. 962—1 spear and 1 pen blade, full polished, shell celluloid, brass lined, 2⅝ in. closed . . . . per dozen **JGHJ** 13.00

No. 960—1 spear and 1 pen blade full polished, pearl, brass lined, 2⅝ in. closed . . . . per dozen **AEFJ** - 20 00

No. 942—1 spear and 1 pen blade, full polished, stag, brass lined 3⅛ in. closed . . . . . per dozen **JGBJ** 12 00

No. 957—1 clip and 1 pen blade, full polished, stag, brass lined, 3¼ in. closed. . . . . per dozen **JGBJ** 12 00

No. 955—1 spear and 1 pen blade, black celluloid, full polished, brass lined, 3⅛ in. closed per dozen **JIJ** 15 00

No. 947—1 spear and 1 pen blade, shell celluloid, fu polished brass lined, 3⅛ in. closed per dozen **JIJ** 15 00

No. 946—1 spear and 1 pen blade, ivory celluloid, full polished, brass lined, 3⅛ in. closed per dozen **JIJ** 15 00

No. 948—1 spear and 1 pen blade, full polished, pearl, brass lined, 3⅛ in. closed . . . . . per dozen **BBJ** 27.00

No. 949—1 spear and 1 pen blade, full polished, French gray finish, sterling silver handles, German silver lined, 2⅝ in. closed . . per dozen **ADDJ** $24 00

No. 956—1 spear and 1 pen blade, full polished, French gray finish, sterling silver handle, German silver lined, 3⅝ in. closed . . . . per doz **AFBJ** 27.00

HALF DOZEN IN A BOX.

PRESS BUTTON KNIVES.

No 943—1 large clip blade, etched, Business, polished, stag, iron lined, 4 in. closed. . . . . per dozen **JGBJ** $12 00

No. 944—1 large clip blade etched Invincible, polished, stag, iron lined, 4⅛ in. closed. . . . per dozen **JHDJ** $4 00

HALF DOZEN IN A BOX.

CARTRIDGE KNIVES.

No. 30N—1 blade, straight, Krag-Jorgensen Cartridge, glazed, 3⅛ in. closed, 4⅞ in. open. per dozen **CJJ** $4 00

The handle is made from genuine 30-calibre U S Army Krag-Jorgenson Cartridge The blade is finest quality Wardlow Steel A fine item for souvenir purposes

HALF DOZEN IN A BOX.

SWEDISH FOLDING KNIVES

One Blade, Full Polished, Highest Grade Steel, Birch Wood Handle, Brass Lined, Ring At End for Chain.

No. 02—Length closed 3¾ in., blade . . . . . per doz. **JHGJ** $14.

No. 01—Length closed 4¾ in., blade 3⅛ in . . . . . per dozen **JHGJ** $14 00

HALF DOZEN IN A BOX.

IMPROVED CUTLERY SHOW CASES.

FLOOR DISPLAY CASES.

Our No. 900 show cases are made of selected white oak thoroughly hand made and of natural oak finish, highly hand polished, the top is ½ in. bevel French plate glass laid in plush on green felt cushions, selected of the strength that will fit and round glass sliding dust proof doors in the back that move on ball bearings and steel track.

The inside has 10 in. and 14 in. paneled oak shelves, the front edges of which are fitted with an oak lip extending ¾ in. above the shelf to prevent the goods from being pushed off the shelves, these shelves are supported by adjustable nickel plated brackets, cloth lined paneled bottom.

One of the most improvements in these cases are the steel strength metal joints, which means that the metal joints in our cases are reinforced with steel, making the weakest part the strongest—this is a most important point to be considered.

Made to set low odoan or set up and of standard measurements, 42 in. high, and 20 in. wide outside dimensions.

No. 900 5 ft. long, free of charge with $300.00 worth of cutlery, shipping w't 285 lbs., value of case★ $35.00

No. 900 6 ft. long, free of charge with $400.00 worth of cutlery, shipping w't 325 lbs., value of case★ $40.00

No. 900 8 ft. long, free of charge with $500.00 worth of cutlery, shipping w't 400 lbs., value of case★ $50.00

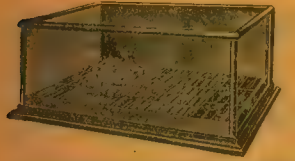
No. 900 10 ft. long, free of charge with $600.00 worth of cutlery, shipping w't 400 lbs., value of case★ $60.00

A FULL COMPLEMENT OF SILK PLUSH TOP CUTLERY BOXES GOES WITH EACH CASE GRATIS.

WHERE A CUSTOMER CANNOT BUY THE FULL AMOUNT OF CUTLERY AT ONE PURCHASE, but desires a Cutlery Show Case, we have arranged CHARGE TO HIS ACCOUNT at prices noted, AND ON THE BOTTOM OF THE BILL WE PRINT THE FOLLOWING CONTRACT.

CONTRACT We agree to ship goods and charge the above case and charging it to your account **IT MUST BE PAID FOR** at the expiration of six months. We will credit your account with the above value for Cutlery which you return in case. The required amount is inserted here ..... worth of Pocket Cutlery, Table Cutlery, Butchers Cutlery, Razors, Razor Strops, Razor Strop Leather Pieces, Shears, Painters' Cutlery, Hones, Silver Metal Goods, Silver Plated Ware, Scissors, Nickel Plated Carpet Sweepers, including Hair Clippers, Carvers, Manicure Goods, Combs, Key Rings and Key Chains, provided said purchases are made within one year from date of this invoice. **Not more than one show case to be furnished on these terms.**

COUNTER DISPLAY CASES.



Free of Charge with $100.00 Worth of Cutlery.

No. 0301—Oak, combination case, 40¾ in. long, 27¾ in. wide, 17 in. high, contains boxes for 45 patterns of pocket knives, 6 patterns of scissors and shears and 6 pattern of razors, finished in oak with inside silk plush trimmings, w't crated 100 lbs., value of case★ $12.00

Free of Charge with $200.00 Worth of Cutlery.

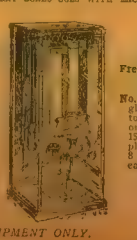
No. 0401—Oak, large pocket knife case, 54 in. long, 27¾ in. wide, 17 in. high, contains boxes for 95 patterns of pocket knives, finished in oak with inside silk plush trimmings, w't crated 150 lbs., value of case★ $16.00

These cases are a great improvement over most cutlery cases made, and are both handsome and convenient. The case has a 21... beveled plate glass top, and the cutlery is displayed with dual silk plush top b... The cases are made with drawers, each drawer with a handle for push ... and pull. The interior is best material and is skimmed after the manner of the shining ... cases, where the space behind the counter is limited. The rear of the china case is to be removed or added to at will. The best possible care is taken of the case to prevent scratch, as the case we furnish with the idea of showing your goods to the best advantage and valuable in assisting them in selling goods and keeping the stock in good order and complete.

A FULL COMPLEMENT OF SILK PLUSH TOP CUTLERY BOXES GOES WITH EACH CASE GRATIS.

Free of Charge with $50.00 Worth of CUTLERY Scissors, Shears and Cutlery.

No. 500—For scissors and shears, polished oak frame, height 28 in., width 14½ in., depth 16 in., hinged glass door in rear, top and bottom lined with silk plush, nickel plated interior standard with revolving adjustable arms to display 72 patterns of scissors and shears, w't 35 lbs.....each $7.50



Free with $100.00 Worth of Razor Strops.

No. 100—For razor strops, heavy plate glass front and sides, and plate glass top, mahogany base and hinged door on back to match, height 36 in., width 15 in., depth 15 in., fitted with nickel plated rack and hooks for displaying 8 doz. swing razor strops, w't 75 lbs. each★ $10.00

★FOR FACTORY SHIPMENT ONLY.

PORTABLE OVENS

For Gas, Gasoline or Oil Stoves

PRINCESS WITH SOLID STEEL DOOR

PRINCESS WITH GLASS DOOR

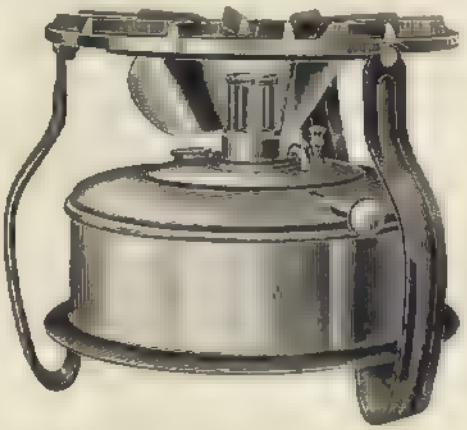
Made of Mecca Lustre, Polished Blue Steel

No. 4 Steel door, lined, height 11 in., width 12 in., depth 10½ inches, weight each 15 pounds.....**$2.00**

No. 40 Glass door, lined, height 11 inches, width 12 inches, depth 10½ inches, weight each 20 pounds.....**$2.60**

ALCOHOL STOVES

UNIVERSAL



No. 0 Capacity 1 pint, height 5½ inches, diameter 6½ inches, weight each 2½ pounds, each.....**$3.50**

No. 1 Capacity 3 pints, height 7 inches, diameter 8 inches, weight each 5½ pounds, each **$5.00**

One in a box

This stove accommodates large size bake oven and all regular cooking utensils. The tank is large, holding two quarts, the burner and tank are made of brass and the grates are nickel plated. Japanned sheet steel frame

No. 20 Two burners, size of top 21½ x 13½ inches, height 6¼ inches, weight each 30 pounds, each.....**$12.00**

LAMP STOVES

One Burner

Two Burner

No. 01 One Burner, 8½ inches high, 3½ x 5½ inch fount, 4 inch brass burner, per dozen.....**$10.00**

No. 02 Two Burners, 8½ inches high, 5½ x 5½ inch fount, 4 inch brass burner, per dozen..... **19.00**

PORTABLE OVENS

For Gas, Gasoline or Oil Stoves

BOSS

Glass in Door

Made of Mecca Lustre Polished Blue Steel

Asbestos lined throughout, full tin lined, two mica windows, Alaska door handles, perfectly ventilated, size of glass in door 8¾ x 14¾ inches.

No. 750 Drop door, height 18 inches, width 20¾ inches, depth 12½ inches, weight each 30 pounds, each **$5.25**

Polished Steel

Full tin lined, large mica window, Alaska door handles, perfectly ventilated

No. 053 Drop door, height 18 inches, width 20¾ inches, depth 12½ inches, weight each 25 pounds, each **$4.00**

SUCCESS OVENS

Glass in Door

Quick and Perfect Bakers

Made of Mecca Lustre, Polished Blue Steel

Asbestos lined throughout, full tin lined, Alaska door handles, removable heat deflector, perfectly ventilated.

No. 125 Drop door, height 16 inches, width 19 ¾ inches, depth 11 inches, weight each 25 pounds, each **$4 50**

BANNER

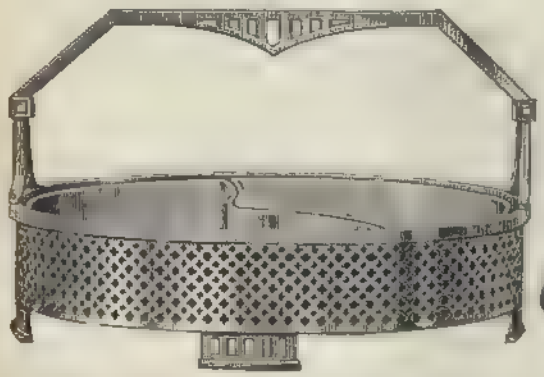
Made of Mecca Lustre, Polished Blue Steel

Full lined with best quality bright tin, Alaska cold handles, removable heat deflector, perfect in construction and operation.

No. 012 Drop door, height 16 inches, width 19 inches, depth 11¾ inches, weight each 25 pounds, each **$3 50**

High Grade Quadruple Silver Plated Dishes, Holders, Etc.

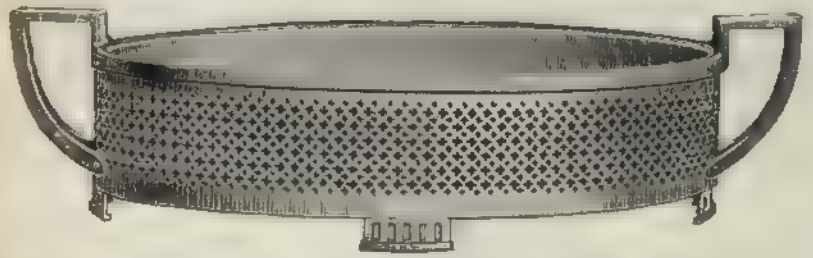
PRICES EACH



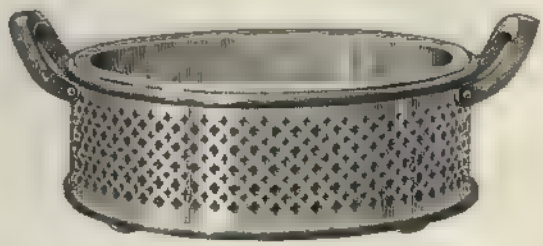
No. A13/32 Oval Relish Set $11.90
Burnished, two compartments crystal glass lining, height 4½ inches length 7¼ inches width 5¼ inches.

No. A13/39 Jelly Glass Holder $3.85
Burnished, height, 4¾ inches.

No. A13/28 Marmalade Jar $6.30
Burnished crystal glass lining, height 4 inches



No. A13/36 Oval Celery Dish $15.40
Burnished, crystal glass lining height 3½ inches, length 12½ inches, width 5 inches.



No. A13/3 Lemon Dish $5.60
Burnished crystal glass lining height 2¾ inches, diameter, 5 inches

No. A13/26 Siphon and Holder $10.50
Burnished, crystal siphon furnished with above

No. A13/27 Wiskey Bottle and Holder $10.50
Burnished, cut neck crystal bottle.

No. A13/25 Ginger Ale and Holder $5.60
Burnished, full bottle furnished with above.

No. A13/22 Tobacco and Holder $4.20
Burnished full bottle furnished with above

No. A13/4 Catsup and Holder $5.60
Burnished full bottle furnished with above.

No. A13/23 Worcester Sauce and Holder $4.20
Full burnished, full bottle furnished with above.

RADIATORS

Decorated

LOW WINDOW PATTERN

Plain

*No. C678

*No. C679

LIST PRICES RADIATORS

Direct Radiation

Height, inches	[illegible]	44	38	32	26
Price, per square foot	[illegible]	0.42	0.42	0 46	0.50
Height inches	[illegible]	20	18	16	14
Price, per square foot...	[illegible]	0.57	0 58	0 60	0.64

Indirect radiation, per [illegible]

Sizes

No. Sections	Length Inches	26 Inches High 5 Sq. Ft. per Section	22 Inches High 4 Sq. Ft. per Section	18 Inches High 3 Sq. Ft. per Section	14 Inches High 2½ Sq. Ft. per Section
2	6	10	8	8	7
3	9	15	13	12	10
4	12	20	18	16	14
5	15	25	22	20	17
6	18	30	27	24	21
7	21	35	31	28	24
8	24	40	36	32	28
9	27	45	40	36	31
10	30	50	45	40	35
11	33	55	49	44	38
12	36	60	54	48	42
13	39	65	58	52	45
14	42	70	63	56	49
15	45	75	67	60	52
16	48	80	72	64	56
17	51	85	76	68	59
18	54	90	81	72	63
19	57	95	85	76	66
20	60	100	90	80	70
21	63	105	94	84	73
22	66	110	99	88	77
23	69	115	103	92	80
24	72	120	108	96	84
25	75	125	112	100	87
26	78	130	117	104	91
27	81	135	121	108	94
28	84	140	126	112	98
29	87	145	130	116	101
30	90	150	135	120	105
31	93	155	139	124	108
32	96	160	144	128	112

Width of section is 12 inches
Width of legs 13 inches

Unless otherwise specified all radiators will be tapped as follows

STEAM—One Pipe

Up to and including 25 feet [illegible] in.
From 25 to 60 feet [illegible] in.
From 60 to 100 feet [illegible] in.

HOT WATER—Tapped for Supply and Return

Up to and including 40 feet [illegible] in.
From 40 to 75 feet [illegible] in.
Above 75 feet.. [illegible] in.

STEAM—Two Pipe

Up to and including 50 feet [illegible] in.
From 50 to 95 feet [illegible] in.
Above 95 feet [illegible] in.

Distance from floor to center of opening is 3 inches

In estimating length of radiator allow ½ inch for each bushing.

WALL RADIATORS

*No. C680

Sizes	List Per Ft.	Number of Square Feet in Each Section	Width of Each Section	Length of Each Section	Thickness of Each Section
Extra large	$0.42	9	13⅛	29⅛	2⅞
Standard	.42	7	13⅛	22⅛	2⅞
Small	.46	5	13⅛	17⅛	2⅞

*Not carried in stock, can be shipped promptly from factory

BRACKETS FOR WALL RADIATORS

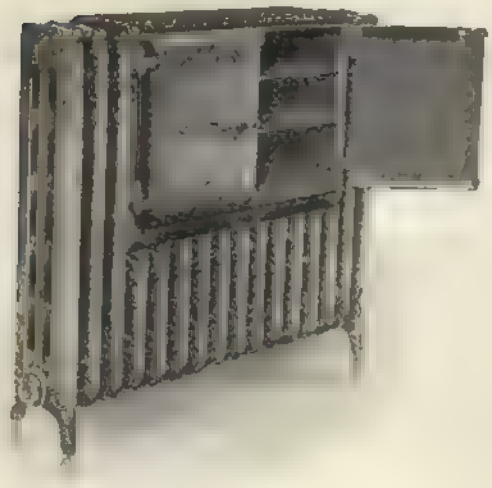
*No. C681

Size	A	B	C	D	E	F	G	H
Each	$0.15	0.15	0.36	0.36	0 40	0.40	0.44	0 44

RADIATORS

DINING ROOM RADIATORS

Steam and Water

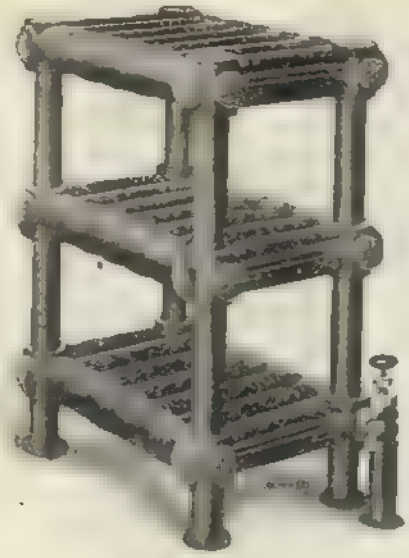


*No. C682

No.	Length Inches	Heating Surface Square Feet	Iron Fitted	Water
	40	56	$51.00	$57.00
	45		54.00	61.00
	50	84	58.00	66.00
	55	93	62.00	71.00
	60	103	66.00	75.00
	65	114	70.00	79.00
	71	126	74.00	84.00

Height of top, inches 27
Width of oven, inches 10¾
Height of oven, inches 18
Allow 1 inch for each bushing

PLATE WARMER



*No. C683

It not only very handy for residence pantries, but in extended constructions this warmer will be found most adaptable to the needs of hotel and restaurant kitchens wherein it is necessary to keep a large number of plates and other dishes warm and ready for service. It can be made up in various heights. It is shipped made up

In ordering state whether for steam or water, and what size tapping is required.

MEASUREMENTS

No.	Length	Heating Surface Square Feet	Iron
1	17	15	$ 8.00
2	27	23	15.00
3	37	31	22.00
4	47	39	30.00
5	57	47	36.00

Height, 32 inches. Width, 13 inches

*No. C684
Pattern No. 2, 2×8

THE NASON "HIGH PRESSURE" VERTICAL TUBE RADIATOR

Tested for 125 Pounds Working Pressure

Height, 35 inches. Price per tube..... $5.00

Pattern No. 1—Single Row of Tubes

Outside Width at Floor, 5½ Inches; Standard Height, 35 Inches

Number of tubes in length	4	6	8	10	12	16	20	24
Total number of tubes	4	6	8	10	12	16	20	24
Square feet of heating surface	4	6	8	10	12	16	20	24
Outside length of radiator, inches	11¼	15¼	19¾	23¼	27¼	35¼	43¼	51¼

Pattern No. 2—Two Rows of Tubes

Outside Width at Floor, 7½ Inches; Standard Height, 35 Inches

Number of tubes in length	4	6	8	10	12	14	16	20	24	28
Total number of tubes	8	12	16	20	24	28	32	40	48	56
Square feet of heating surface	8	12	16	20	24	28	32	40	48	56
Outside length of radiators, inches	11¼	15¼	19¼	23¼	27¼	31¼	35¼	43¼	51¼	59¼

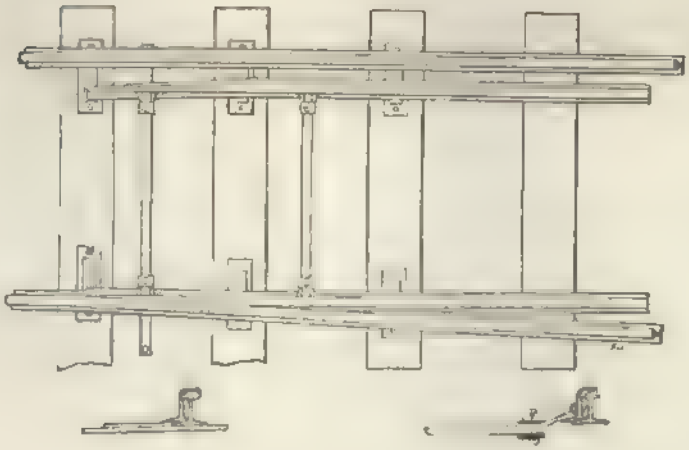
Pattern No. 3—Three Rows of Tubes

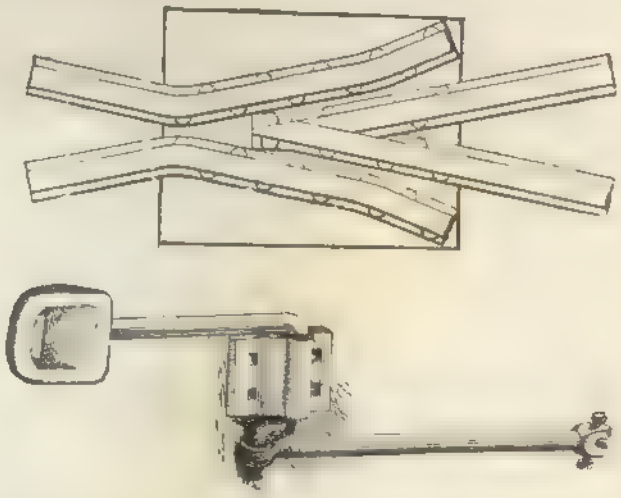
Outside Width at Floor, 9½ Inches; Standard Height, 35 Inches

Number of tubes in length	4	6	8	10	12	14	16	18	20	24	28
Total number of tubes	12	18	24	30	36	42	48	54	60	72	84
Square feet of heating surface	12	18	24	30	36	42	48	54	60	72	84
Outside length of radiators, inches	11¼	15¼	19¼	23¼	27¼	31¼	35¼	39¼	43¼	51¼	59¼

*Not carried in stock; can be shipped promptly from factory.

FROGS AND SWITCHES





Light Rail Split Switches

Size rail, pounds	12	16	20	25	30	35	40
Price, complete	$.						

Prices include all fixtures shown in illustration

Light T Rail Frogs

Size rail, pounds	12	16	20	25	30	35	40
Price, complete	$						
Light ball ground throw complete							$

Tons of Rails Required for One Mile

Weight per yard, pounds	8	10	12	16	20	25	28	30	35	40	45	56	60
Tons per mile	12.57	15.71	18.86	25.14	31.14	39.29	44.00	47.14	55.00	62.86	70.71	88.00	94.30

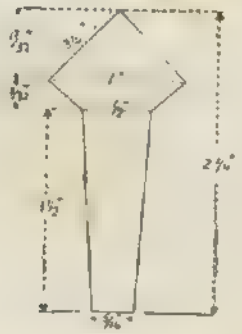
Fastenings Per Mile

Length of rails, feet	18	20	22	24	27	28	30
Number of joints	587	528	480	440	400	377	352
Number of splice bars	1,174	1,056	960	880	814	754	704
Number of bolts	2,348	2,112	1,980	1,760	1,624	1,508	1,408
Number of spikes	11,740	11,616	11,520	11,440	11,372	11,314	11,264

Cross Ties for One Mile

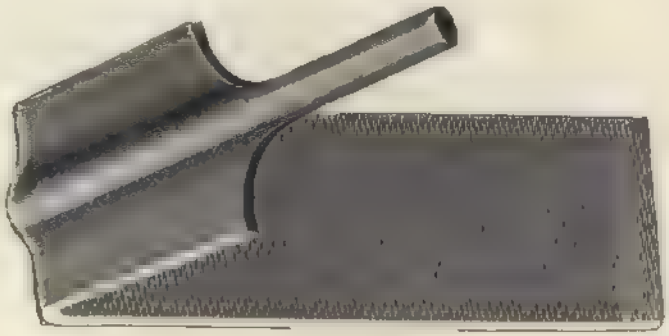
Center to center, feet	1½	1¾	2	2¼	2½
Number ties	3,520	3,017	2,640	2,348	2,113

STANDARD COAL SCREEN BARS



Regular lengths 12 feet, 12 feet 2½ inch, 14, 15 and 16 feet.
Any length rolled to order. Prices on application

COKE SCRAPERS



Standard scraper bows, soft steel, weight 20 pounds, each $. ..

CROW BARS

PINCH POINT

Solid cast steel, weights, assorted, 10 to 40 pounds
Per pound .....$.....

DIAMOND POINT LINING

Square point, solid cast steel weights assorted 12 to 30 pounds, per pound.....$.....

CLAW

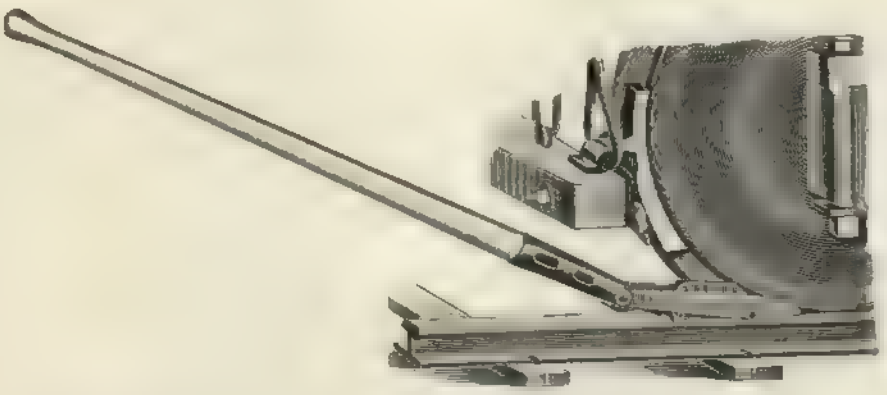
With heel, solid cast steel weights assorted 20 to 30 pounds, per pound ..... $.

TAMPING

Single head, solid cast steel, weights 10 to 15 pounds
Per pound ..... $.

CAR MOVERS

THE ATLAS



This compound lever arrangement acts on the car wheel so far from its contact with the rail that the moving force is utilized to roll it forward, instead of wasted in an effort to raise it from the track.

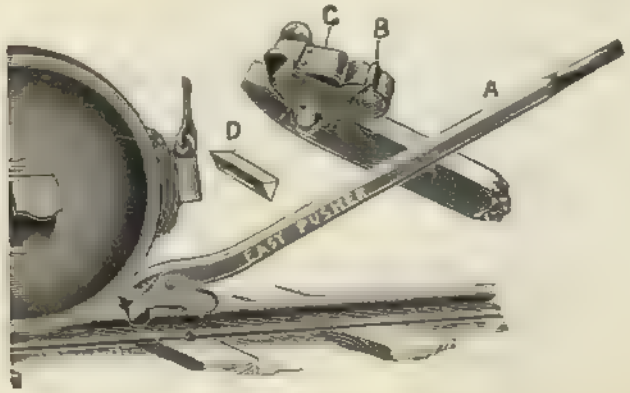
The metal parts are malleable iron and steel, and are guaranteed. The handle is of the best selected hard or sugar maple. It can be turned and all four corners used. One extra spur with each mover.

Will move a car farther at a stroke, and with less effort, than any other car mover. Gets under the lowest brakes.

Atlas Car Mover Fine tool steel spur, with extra spur, weight about 18 pounds.....each, $7.50

Extra spurs .....each. .35

THE EASY



The Easy is of best material. The bar is steel; the shoe malleable, the bit is the finest tool steel; also the spring.

The heel has lugs extending downward on both sides of the rail so as to hold it firmly in position and prevents its slipping sideways. The triangular bit or steel cuts into the rail when pressure is applied and prevents slipping backward even though the rail is icy, greasy or wet.

This bit can be inverted. Each one has three sharpened edges. When the pressure is released, the steel spring lifts the steel bit from the rail, thus preventing it from being dulled by sliding over the rail when following the wheel. Two triangular steels with each pusher.

The Easy 5½ feet long, weight 20 pounds, steel bit ..... each $7.50

Extra steel bits ..... each, .35

REACH FIELDERS' GLOVES

All mitts and gloves are made in rights and lefts. Lefts are regular and are used on the left hand by players who throw with the right hand. Rights are called full-right and are used on the right hand by players who throw with the left hand. Lefts will be sent except when specified that rights are desired.

"REACH SPECIAL" FIELDERS' GLOVES

These gloves were originated and designed many years ago and are now being used by all the professional players throughout the country. They have numerous advantages over the other models, but the principal one is in the formation of the deep pocket. This effect is gained by the arrangement of the padding on the inside of the glove and the little finger being made wider and more heavily padded, this leaves the outside surface smooth and insures a glove that will prove satisfactory in every way. They must he seen to be appreciated.

Only the highest quality of leather, felt and other materials used in their construction. They are made by the most skillful operators. Made in all sizes. Packed one in a box.

No. **01.** Olive "Reaco" Calfskin, leather lined..... **$3.00**

No. **02.** Brown "Reaco" Calfskin, leather lined..... **3.00**

No. **OOW.** The No. OOW is made of a choice selection of mouse colored "Reaco" buckskin, padded with best asbestos felt, welted, web thumb, full leather lined. Made on our celebrated 01 pattern; the most practical shaped glove made. Packed one in a box..... Each **2.50**

No. **04.** The No. 04 is made of the finest pearl "Reaco" calfskin, padded with best felt, full leather lined and leather bound. This glove is made on a model similar to No. 01, and is practical in every way. Welted and web thumb. Packed one in a box. Each..... **2.50**

No. **74.** Made on the celebrated "OBL" pattern, of a fine selection of yellow horsehide, black welted seams and binding, best felt padding, full leather lined. Each..... **2.50**

No. **OOX.** No. OOX is made of the finest selection of lightweight drab "Reaco" buckskin, padded with the best felt, full leather lined, welted, web thumb, patent inside hump. This glove is ready for use, requires no breaking in, and is especially recommended for the player who likes a glove not very heavily padded. Packed one in a box. Ea. **2.50**

No. **03.** In make up and style like No. OOX it is, however, made of lightweight black "Reaco" calfskin. Full brown leather lined..... Each **2.50**

Delivery Prepaid in the U. S. if Cash is Sent with Order at Above Prices

REACH FIELDERS' GLOVES

"AMBIDEXTROUS" FIELDERS' GLOVES

These gloves are a necessity to every ball team, as it enables them to equip an extra player, whether he is right or left handed. Made in four grades on a standard model, large enough to fit any size hand.

No. **SC3.** Made of olive Reaco calfskin, full leather lined.....Each **$3.00**

No. **SC.** Made of drab Reaco buckskin full leather lined.....Each **2.50**

No. **SCN.** Made of black leather, full leather lined .....Each **2.00**

No. **SCX.** Made of craven tan leather, leather lined.....Each **1.50**

SEMI-PROFESSIONAL MODELS

No. **56.** Is made of fine mouse colored buckskin, padded with best asbestos felt, welted, leather lined, patent inside hump and deep pocket, web thumb.....Each **$2.00**

No. **SW.** The No. SW is made of fine drab calfskin, padded with asbestos felt, web thumb, patent inside hump and deep pocket, welted. This glove is made on our celebrated OBL pattern, leather lined..Each **2.00**

No. **SWN.** This glove is made of fine black calfskin, padded with asbestos felt, web thumb, patent inside hump and deep pocket, welted. This glove is made on our celebrated O1 pattern, full leather lined.....Each **2.00**

"INTERLEAGUE" FIELDERS' GLOVES

No. **3GN.** Made of an excellent quality of black tan grain leather, welted and full leather lined.....Each **$1.50**

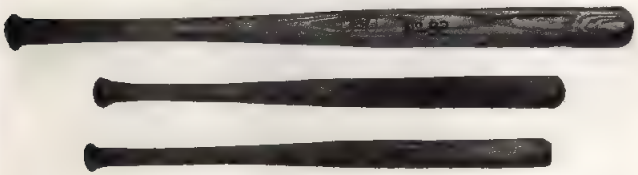
No. **2L.** Made of a specially tanned pearl colored leather, welted, padded with best felt, leather lined, patent inside hump and deep pocket, web thumb. Packed one in a box. Each..... **1.50**

No. **9G.** This glove is made of fine mouse colored leather, padded with best felt. Welted, web thumb, and has our patent deep pocket and inside hump. Full leather lined. Packed one in a box.....Each **1.50**

No. **2N.** Made of a good quality black tan leather, welted, palm leather lined..... **1.25**

Delivery Prepaid in U. S. if Cash is Sent with Order at Above Prices

REACH BASEBALL BATS



REACH "HEAVY HITTER"

"Special Yellow Tinted Finish" are made of good quality ash. Assorted lengths and weights. Best men's bat at the price.
No. **82**.....$ .25

REACH SCHOOL LEAGUE

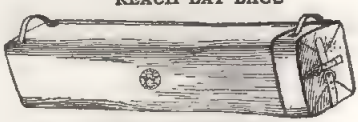
A fine medium priced boys' bat. Made of selected white ash and supplied in a special burnt finish. Length 31 to 32 inches.
No. **83B.** Burnt finish model.....Each $ .25

BOYS' "GREEN TINT" LEAGUE

Boys' highly polished ash bat, green tinted finish with trade-mark in centre, 30 inches long. Best bat on the market at the price.
No. **87.** "Green Tint".....$ .10

MEN'S BATS—Delivery Prepaid in U. S. if Cash as above and 20c is Sent with Order
BOYS' BATS— " " " " " " " " 15c " " " "

REACH BAT BAGS



Nos. BB1 and BB3 Club Size

No. **BB1.** Made of extra heavy Brown Canvas, Leather Trimmings to match. Extra strong. Holds 12 bats.....$3.50
No. **BB2.** Made of fine Russet Bag Leather, endorsed by the leading players. Holds 2 bats..... 4.00
No. **BB3.** Made of extra Heavy Brown Canvas, Leather Trimmings to match. Extra strong. Holds 6 bats 2.50
No. **BB4.** Made of fine Brown Leather. Well made. Holds 2 bats..... 2.00
No. **BB5.** Made of Heavy Brown Canvas. Capped at both ends with leather to match. Holds 2 bats..... 1.50
No. **BB6.** Made of Heavy Brown Canvas. Capped at one end with leather to match. Holds 2 bats..... 1.25
No. **BB7.** Made of Canvas, Leather Trimmed Holds 2 bats.. 1 00

Delivery Prepaid in U. S. if Cash is Sent with Order at Above Prices

REACH BASEBALL BATS

REACH BURLEY PROFESSIONAL MODEL BATS

No. 6-O

No. 9-O

These bats are made in three finishes, of the highest grade selected second growth, straight grained white ash, air dried timber. Made on models submitted by the leading players; they are hand turned to make certain that they will be perfect in every respect, carefully finished and nicely balanced. The lengths are assorted from 31 to 35 inches and the weights from 35 to 46 ounces. Guaranteed only when ball is struck with label side of bat held up.

No. **6-0.** Very dark brown finish, plain handle..... **$1.00**
No. **9-0.** White with a flameburnt, mottled finish, taped handle..... **1.00**
No. **10-0.** Hand rubbed dead finish, oil tempered, yellow filler..... **1.00**

REACH SPECIAL BATS

Hand turned, special brown finish, taped handle. Assorted lengths and weight.

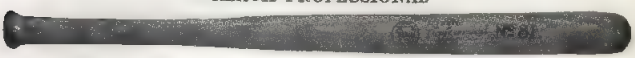
No. **3-O.** Made of high-grade second growth white ash..... Each **$ .75**

"LEAGUE" BATS

Made of selected second growth white ash, natural finish.

No. **1-O.** Tape wound handle..... Each **$ .50**

REACH PROFESSIONAL



No. **81.** White ash, burnt finish. Assorted lengths and weights.. Each **$ .50**

"BOY'S BURLEY" BATS

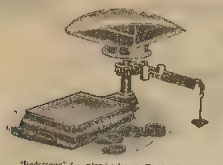
The same style as No. 6-O, only boy's size. Dark brown finish.

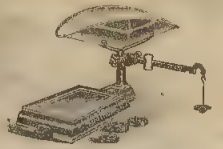
No. **2-O.** Taped handle. Best boy's bat made..... Each **$ .50**

Delivery Prepaid in U. S. if Cash as above and 20c. extra is Sent with Order

COUNTER SCALES

*REDSTRONG





"Redstrong" Counter Scales are Designed and Built Especially to Meet the Requirements of the Hardware Dealer. The Beams are Close Balanced, Two Bites Sharp Clean-Cut and Very Sensitive, the Levers are all Steel from Cast Iron) and will Stand the Most Severe Strain. Painted Vermilion, Striped in Gold.

The Bearings and Poises are Solid Cast Brass, Highly Polished and Guaranteed to be Accurately Graduated; the Upper Edge of the Beam is Smooth and the Sliding Poise Moves Easily and Quickly without Friction.

Capacity 250 lbs. by ½ oz., Size of Platform 13½x13½ Inches; Size of Scoop 10½x11 Inches

DOUBLE BEAM, WITH PLATE

Especially Adapted for Nail Counter Use

Either the Platform or Plate may be Used With or Without Scoops; the Loose Plate is Very Convenient for Weighing Small Packages, etc.

		Each
No. R250DNB—With Brass Scoop, Weight Each 60 lbs.	One in a Box	$15 00

No. R250DNB—With Brass Scoop, Weight Each 60 lbs. One in a Box $15 00

SINGLE BEAM, WITH FORK

No. R250CB—With Brass Scoop, Weight Each 50 lbs. $15 00

DOUBLE BEAM, WITH FORK

No. R250DBC—With Brass Scoop, Weight Each 60 lbs. One in a Box $17 50

MOUND CITY

TRADE MARK

*MOUND CITY UNION

Steel Bearings, Cast Iron Frame, Pillar, Platform, Levers, Poises and Weights, Iron Parts Black Japanned, Striped in Gilt.

Capacity 250 lbs. by ½ oz.; Size of Platform 23½x20½ Inches; Size of Scoop 17½x10 Inches

5 NOLE BEAM

DOUBLE BEAM

	Each
No. M250B—With Brass Scoop	$7 00
No. M250T—With Tin Scoop	6 00
Weight Each 57 lbs. One in a Box	

	Each
No. M500B—With Brass Scoop	$ 8 50
No. M500T—With Tin Scoop	7 00
Weight Each 67 lbs. One in a Box	

FAIRBANKS UNION

Tempered Steel Bearings, Cast Iron Frame, Platform, Pillars, Levers, Poise and Weight, Polished Brass Beams with Hanging Poises from Parts Black Enameled, Gold Striped.

Capacity 250 lbs. by ½ oz.; Size of Platform 23½x20½ Inches; Size of Scoop 17½x10 Inches. Furnished with Plated Scoops Unless Otherwise Ordered.

Cut Shows Single Beam With Fork for Scoop

SINGLE BEAM

	Each
No. F250—With Brass Scoop	$12 00
No. F500—With Tin Scoop	13 00
DOUBLE BEAM	
No. F504—With Brass Scoop	13 00
No. F512—With Tin Scoop	24 00
Weight Each 67 lbs. One in a Box	

Cut Shows Double Beam With Fork for Scoop

SINGLE BEAM

	Each
No. F500—With Brass Scoop	$20 00
No. F500—With Tin Scoop	19 00
DOUBLE BEAM	
No. F506—With Brass Scoop	22 00
No. F504—With Tin Scoop	20 00
Weight Each 67 lbs. One in a Box	

COUNTER SCALES

FAIRBANKS GROCERS

Tempered Steel Bearings, Cast Iron Frame, Platform, Pillars and Weights, Iron Parts Black Japanned, Cast Iron Levers, Poises and Weights Polished Brass Beams with Hanging Poises from Parts Black Enameled, Gold Striped. Size of Scoop 10½x8½ Inches. Capacity 250 lbs. by ½ oz.

SINGLE BEAM

	Each
No. F250—With Brass Scoop	$17 00
No. F500—With Tin Scoop	15 00

DOUBLE BEAM

No. F512—With Brass Scoop	$ 18 50
No. F540—With Tin Scoop	16 00

Furnished with Plated Scoops Unless Otherwise Ordered

Weight Each 50 lbs. One in a Box

FAIRBANKS GROCERS

Tempered Steel Bearings, Cast Iron Frame, Platform, Pillars and Weights, Iron Parts Black Japanned, Cast Iron Levers, Poises and Weights, Polished Brass Beams with Hanging Poises from Parts Black Enameled, Gold Striped. Size of Scoop 10½x8½ Inches. Capacity 250 lbs. by ½ oz.

SINGLE BEAM

	Each
No. F250—With Brass Scoop	$14 00
No. F500—With Tin Scoop	12 00

DOUBLE BEAM

No. F506—With Brass Scoop	16 00
No. F504—With Tin Scoop	14 00

Furnished with Plated Scoops Unless Otherwise Ordered

Weight Each 50 lbs. One in a Box

LITTLE DETECTIVE PATTERN

	Each
No. L206—Capacity 20 lbs. by ¼ oz., Steel Bearings, Black Japanned Cast Iron Frame, Levers and Weights, Polished Brass Beam. Size of Scoop 6½x4½ inches; Weight Each 14 lbs.	$4 50

One in a Box

Hardened Steel Bearings, Cast Iron Frame, Base and Plate, Vermilion Japanned

FAIRBANKS GROCERS EVEN BALANCE TRIP

Brass Spun Beams, Without Weights, Minimum Capacity ¼ oz.

With Brass Scoop

Nos.	F700	F715	F716	F717
Capacity, lbs.	2	6	10	20
Diameter Plate, inches	5	6	7½	9
Length Levers, "	6	12	13	15
Size of Scoop, "	2½x3½	10½x8½	12½x10½	14½x12½
Weight Beam, lbs.	1½	5½	7	11
Each	$ 8 00	$ 12 00	$ 14 00	$ 16 00

With Tin Scoop

Nos.	F708	F707	F708	F705
Capacity, lbs.	2	6	10	20
Diameter Plate, inches	5	6	7½	9
Length Levers, "	6	12	13	15
Size of Scoop, "	2½x3½	10½x8½	12½x10½	14½x12½
Weight Beam, lbs.	1½	5½	7	11
Each	$ 6 50	$ 10 00	$ 12 50	$ 16 00

One in a Box

HATCH PATTERN EVEN BALANCE

A Low Priced Scale for Family Use

	Each
No. HPC8—Capacity 8 lbs. by ½ oz., Japanned Cast Iron Frame, Levers and Weights, Length of Bar 12½ inches, Tin Scoop, Size 6x4½ inches, Weight Each 24 lbs.	$4 00

One in a Box

HATCH PATTERN TEA

	Each
No. HP74—Capacity [illegible] lbs. by ¼ oz., Japanned Cast Iron Frame, Levers and Weights, Length of Bar 9½ inches, Tin Scoop, Size 5x3½ inches, Weight Each 9 lbs.	$1 70

Quarter Dozen in a Box

FAIRBANKS BUTTER

Capacity 25 lbs. by ½ oz., Tempered Steel Knife Bearings, Cast Iron Frame, Levers and Weights, Iron Parts Black Japanned, Polished Brass Beam with Hanging Poise, Brass Scoop, Size 8x6½ inches.

	Each
No. F504—Single Beam	$13 50
No. F505—Double Beam, Weight Each 35 lbs.	15 50

One in a Box

"DIAMOND EDGE IS A QUALITY PLEDGE"

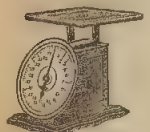
FAMILY SCALES

SLANTING DIAL

The Dial is set at an Angle and can be Read without Stooping; Platform does not shade Dial; Figures and Markings are plainly marked, Frame Black Enameled; Aluminum Bronze Decorated

WITH PLATFORM ONLY

No. 021—Capacity 4 lbs. by Half ounces, 6 inch Silver Finished Dial, Height 7 inches, Width 6 inches, Depth 7½ inches, Weight Each 3½ lbs. Each $2 50



No. 020—Capacity 80 lbs. Height 23½ inches, Weight Each About 8½ lbs. Each $2 00

No. 025—Capacity 24 lbs. 6 inch Glass Dial, Height 8½ inches, Width 6 inches, Weight 4 lbs. Each $3 00

No. 040—Capacity 60 lbs. Height About 12 in., Weight Each 10 lbs. Each $6 00

One in a Box

WITH PLATFORM AND SCOOP

No. 026T—Capacity 6 lbs. by Half ounces, 6 Inch Silver Finished Dial. Large Polished Tin Scoop with Collar, Height 10½ inches With 6 in., Depth 7¾ in., Weight 4 lbs. Each $3 00

No. 030T—Capacity 25 lbs., Height About 10 inches, Tin Scoop, Size 12½ inches Weight Each 5 lbs. Each $3 50

One in a Box

No. 035T—Capacity 60 lbs. Height About 10 inches, Tin Scoop, Size 12½x8½ inches Weight Each 10 lbs. Each $7 00

One in a Box

WITH HORN AND SCOOP

No. 025HT—Capacity 25 lbs., Height About 10 inches, Tin Scoop, Size 12½x8½ inches, Weight Each 5 lbs. Each $2 50

One in a Box

STRAIGHT DIAL

The Case is Made of Sheet Steel, Nicely Enameled and Decorated; the Dial is White Enameled, with Black Figures and Markings Adjusted by a Thumb Screw on Top of Scale

WITH PLATFORM

No. 25—Capacity 25 lbs.; Height About 8½ inches; Weight Each 3½ lbs. $1 50

No. 60—Capacity 60 lbs.; Height About 11 inches; Weight, Each 10 lbs. $ 00

WITH PLATFORM AND SCOOP

Capacity 25 lbs., by 4 oz. About 11 inches Size of Scoop 12½x8½ ins.

No. 25T—With Tin Scoop Each $2 20

One in a Box

SCALES

Especially Adapted to Weighing Candy, Tea, Gunpowder, Tobacco, Spices, Drugs, Chemicals, etc

*REDSTRONG Gunpowder and Candy

Delicately Adjusted, Especially Adapted for Show Case Use, as there are no Loose Weights to Drop Off and Injure the Glass Each

No. R4G—Capacity 4 lbs. by ½ oz., Cast Hardened Tool Steel Bearings; Cast Iron Base and Frame; Polished Vermilion, Striped in Gold; Solid Brass Beam, Poise and Scoop; Beam Graduated on Both Sides; Size of Base 10¾x4¾ inches; Size of Scoop 12x6½ inches; Weight Each 13 lbs. $6 50

One in a Wood Box

Capacity 6 lbs. by ½ oz.

6 inch Dial with Silver Finished Center and Gilt Border; Balance of Scale Black Japanned and Ornamented, Height Over All 11½ inches, Size of Scoop 13x6½x5 inches. Each $4.00

No. B030—With Brass Scoop.

No. T030—With Tin Scoop 3 00

One in a Box. Weight, Each 4 lbs

No. VB4—Vienna Capacity 4 lbs by ½ oz. Size of Scale Black Japanned and Artistically Striped in Silver Nickel Plated Brass Mountings, Height Over All 12 inches; Dial 6 inches Width 4 inches; Brass Bowl Nickel Plated Tin Scoop $5 00

No. VB4—New Invincible, Nickel Plated Throughout, Octagon Brass Scoop Otherwise Same as Above. 7 00

One in a Box, Weight Each 3½ lbs.

Each

No. 04—Petite, Capacity 4 lbs. by ½ oz. 3½ inch Brass Dial; Balance of Scale Nickel Plated Throughout Height Over All 5½ inches Depth 4 inches Width 3½ inches Dish 5 inch Brass Scoop Weight Each 2 lbs $5 00

One in a Box

STAR

For Ladies or Gentlemen's Desk Use

Indicates Exact Cost of Postage on Letters, Books, Packages and Newspapers Weighs up to 1 lb. by ½ oz.; Adjusting Screw on Top. Each

No. PPS—Oxidized Copper Case, White Enameled Dial, Very Distinct and Easily Read; Size 3 inches High 2 inches Wide, 2 inches Deep Round Platform, Diameter 1¾ inches. Weight Each 8 ozs. $2 00

One in a Box

POSTAL SCALES

G&M

Indicates Exact Cost of Postage on Merchandise, Letters, Books, Circulars and Newspapers, Weighs up to 1 lb. by ½ oz.; Adjusting Screw at Base. Each

No. TPG Black Japanned Sheet Steel Frame, Nickel Enameled Dial 3 inch Wide, Height Over All 4½ inches, Size of Base 4½x2½ inches, Size of Platform 2x2½ inches, Weight Each 9 ozs. $1 70

One in a Box

VICTOR

For Library and Desk Use

Indicates Exact Cost of Postage on all Kinds of Mail Matter Weighs up to 2½ lbs. by ½ oz., Adjusting Screw on Top of Case Warranted Accurate. Each

No. PPV—Full Nickel Plated White Enameled Dial Very Distinct and Easily Read, Size 4½ inches High, 4½ inches Wide, 2½ inches Deep, 4 inch Round Platform, Weight Each 1 lb $3 90

One in a Box

"DIAMOND EDGE IS A QUALITY PLEDGE"

REVOLVERS

DOUBLE ACTION

VICTOR

3 Inch Round Barrel Small Frame Nickel Plated Rubber Handle

		Each
No. 280—32 Caliber, 7 Shots; Weight 7¼ ozs., Shoots 25 S&R or 32 L&C Cartridges		$3.30
No. 282RF—32 Caliber, 6 Shots; Weight 9 ozs., Shoots 32 S&R CF Cartridges		3 50
No. 282—32 Caliber, 6 Shots; Weight 9 ozs., Shoots 32 S&W CF Cartridges		3 00

VEST POCKET

		Each
1¾ Inch Round Barrels Nickel Plated Rubber Handles; Weight 8½ ozs., 5 Shots.		
No. 811¼VF—32 Caliber; Shoots 32 S&W CF Cartridges.		$5 00

AMERICAN

Double Action, Octagon Barrel, Rubber Handle

		Each
Nickel Plated		
No. 2231RF—32 Caliber; 3½ Inch Barrel, Weight 16 ozs.; 9 Shots; Shoots 32 S&W CF Cartridges		$3 50
No. 2231½ —32 Caliber; 3½ inch Barrel, Weight 16 ozs.; 9 Shots; Shoots 32 S&W Cartridges		3 00
No. 2241½ —32 Caliber; 4½ inch Barrel, Weight 17 ozs.; 9 Shots; Shoots 32 S&W Cartridges		4 00
No. 2241—32 Caliber; 6 Inch Barrel, Weight 18 ozs.; 9 Shots; Shoots 32 S&W		4 00
No. 2381½ —38 Caliber; 3½ Inch Barrel, Weight 16 ozs.; 5 Shots; Shoots 38 S&W CF Cartridges		3 50
No. 2384½ —38 Caliber; 4½ Inch Barrel, Weight 16 ozs.; 5 Shots; Shoots 38 S&W CF Cartridges		4 00
No. 2384—38 Caliber; 6 Inch Barrel, Weight 17 ozs.; 5 Shots; Shoots 38 S&W CF Cartridges		4 50
Blued		Each
No. 2234½—32 Caliber; 3½ Inch Barrel, Weight 16 ozs.; 9 Shots; Shoots 32 S&W CF Cartridges		$3 50
No. 2384½—38 Caliber; 4½ Inch Barrel, Weight 16 ozs.; 5 Shots; Shoots 38 S&W CF Cartridges		4 50

SAFETY HAMMER

Octagon Barrel, Nickel Plated, Rubber Handle

		Each
No. 1922½—32 Caliber; 3½ Inch Barrel; Weight 16 ozs.; 6 Shots; Shoots 32 S&W CF Cartridges		$3 50
No. 1382½—38 Caliber; 3½ inch Barrel. Weight 16 ozs.; 5 Shots; Shoots 38 S&W CF Cartridges		3 50

AUTOMATIC SELF EJECTING

(Made in Belgium

Not Warranted

		Each
42 Caliber; Shoots 44 Winchester Central Fire Cartridges, 6 inch Barrel, Automatic Ejector; Ebony Hobbs Ring in Handle; 6 Shot Weight 36 ozs.		
No. 1844S Nickel Plated		$8 00
No. 1844S Blued		8 00

FOREHAND ARMS CO. REVOLVERS

DOUBLE ACTION—AUTOMATIC EJECTING

HAMMER

22 Caliber, 5 Shots; Small Frame; Rubber Handle; Shoots 22

	Each
NICKEL PLATED	
No. 322F—2 inch Barrel, Weight 11 ozs.	$6 00
No. 323F—3 inch Barrel, Weight 12 ozs.	6 00
No. 324F—4 inch Barrel, Weight 13 ozs.	6 00
BLUED	
No. 2323F—3 inch Barrel, Weight 12½ ozs.	$6 50
No. 2324F—4 inch Barrel, Weight 13 ozs.	6 50

HAMMER, FSS

22 Caliber; 5 Shots; Small Frame; Rubber Handle; Shoots 22

	Each
NICKEL PLATED	
No. 322FH—2 inch Barrel, Weight 11¼ ozs.	$6 50
No. 323FH—3 inch Barrel, Weight 12¼ ozs.	6 50
No. 324FH—4 inch Barrel, Weight 13¼ ozs.	6 50
BLUED	
No. 2323FH—3 inch Barrel, Weight 12½ ozs.	$6 50
No. 2324FH—4 inch Barrel, Weight 13½ ozs.	7 00

38 Caliber; 5 Shots; Regular Frame; Rubber Handle; Shoots 38

	Each
NICKEL PLATED	
No. 381¼F—3¼ inch Barrel, Weight 17 ozs.	$6 00
No. 384F—4 inch Barrel, Weight 18 ozs.	6 50
BLUED	
No. 2381¼F—3¼ inch Barrel, Weight 17 ozs.	$6 50
No. 2384F—4 inch Barrel; Weight 18 ozs.	7 00

38 Caliber; 5 Shots; Regular Frame; Rubber Handle; Shoots 38

	Each
NICKEL PLATED	
No. 381¼FH—3¼ inch Barrel, Weight 17 ozs.	$6 50
No. 384FH—4 inch Barrel, Weight 18 ozs.	6 50
BLUED	
No. 2381¼FH—3¼ inch Barrel, Weight 17 ozs.	$6 50
No. 2384FH—4 inch Barrel; Weight 18 ozs.	7 00

The foundation of our Mail Order Service is built on the Golden Rule—when the Merchant entrusts his open orders to us we show our appreciation by filling them with painstaking care, Shipping Promptly and entering rock bottom prices

STEVENS PISTOLS

TIP-UP
(Factory No. 41)

2¼ Inch Round Barrel; Octagon Breech, Blued; Frame Nickel Plated; Single Trigger; Plain Walnut Grip Stock; Notch Rear Sight, Blade Front Sight, Weight 7 ozs.

Each
No. 1—22 Caliber; Shoots 22SRLR Cartridges $6.19

One in a Box

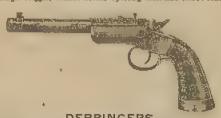
DIAMOND
(Factory No. 42)

6 Inch Round Barrel; Octagon Breech, Blued, Nickel Plated Frame; Single Trigger; Long Plain Walnut Grip Stock; Weight 16 ozs.

Each
No. 24—22 Caliber; Globe Front and Peep Rear Sights, Shoots 22 short, 22 long or 22 Long Rifle BP Cartridges $6 73
No. 26—22 Caliber; Plain Open Sights; Otherwise Same as No. 24 ..... 6.76

OFF HAND TARGET
(Factory No. 35)

Round Barrel, with Octagon Breech; Single Trigger; Walnut Stock; Sporting Rear and Bead Front Sights, Shoots 22SRF, 22LRF or 22 Long Rifle RF Cartridges



Nickel Plated Frame — Each
No. 35N—22 Caliber; 8 Inch Barrel, Weight 1 lb. 8 ozs. $13 59

Blued Frame — Each
No. 35B—22 Caliber 8 Inch Barrel, Weight 1 lb. 8 ozs. $10 15
No. 10S—22 Caliber 8 Inch Barrel, Weight 1 lb. 8 ozs. 14 60

One in a Box

DERRINGERS

REMINGTON DOUBLE DERRINGER
Two Shots; 3 Inch Barrel; Checkered Rubber Stock, Length Over All 4½ Inches, Weight 21 ozs.

Each
No. 41R —41 Caliber; Nickel Plated; Rubber Handle; Shoots 41SRF Cartridges $10 60
No. 41R —41 Caliber; Blued; Rubber Handle; Shoots 41SRF Cartridges 10 00
No. 41N1 —41 Caliber; Nickel Plated, Ivory Handle; Shoots 41 Rim Fire Cartridges 14 10
No. 41NP—41 Caliber; Nickel Plated, Pearl Handle; Shoots 41 Rim Fire Cartridges 13 80

One in a Box

REVOLVERS

SINGLE ACTION

7 Shots; 2½ Inch Round Barrel; Rubber Saw Handle; Plain Cylinder; Weight 7 ozs.; Nickel Plated.

Each
No. 25N—22 Caliber; Shoots 22SRF or 22I RF Cartridges $4.75

One in a Box

BABY HAMMERLESS REVOLVERS

Folding Trigger, All Steel Interchangeable Parts; Accurately Rifled; Black Rubber Handles. A Well Made and Strong Shooting Weapon Especially Adapted to Ladies Use as a Home Protector, or as a Vest Pocket Revolver

MODEL 1910

22 Caliber

1¾ inch Barrel, 6 Shots; Shoots 22 Short Rim Fire Cartridges; Weight 6 ozs.

Each
No. 22NH—Nickel Plated $3 80
No. 22BH—Blued Finish 4.50

32 Caliber

1¾ inch Barrel, 5 Shots; Shoots 32 S & W Center Fire Cartridges; Weight 8 ozs.

Each
No. 32NH—Nickel Plated $3.80
No. 32BH—Blued Finish 4.50

One in a Box

NEW BABY AUTOMATIC

22 Caliber

3 inch Barrel, 6 Shots; Shoots 22 Short Rim Fire Cartridges; Weight 6 ozs.

Each
No. A22NH—Nickel Plated $7 60
No. A22BH—Blued Finish 7 60

One in a Box

U. S. REVOLVERS

DOUBLE ACTION AUTOMATIC EJECTING

HAMMER
32 Caliber; 5 Shots, Small Frame; Rubber Handles; Shoots 32 S&W Central Fire Cartridges.

Nickel Plated — Each
No. 32NH—3 Inch Barrel, Weight 12 ozs. $5 60
No. 32NH—3 Inch Barrel, Weight 14 ozs. 6 30

Blued
No. 32BH—3 inch Barrel, Weight 12 ozs. $6 60
No. 32NTH—3 inch Barrel, Weight 14 ozs. 7.00
32 Caliber; 5 Shots, Regular Frame; Rubber Handles; Shoots 32 S&W Central Fire Cartridges.

Nickel Plated — Each
No. 32NTH—3 inch Barrel, Weight 13½ ozs. $5 30
No. 32NTH—6 inch Barrel, Weight 19 ozs. 6.00

Blued
No. 32BTH—3 inch Barrel, Weight 13½ ozs. $6.00
No. 32BTH—6 inch Barrel, Weight 19 ozs. 7 00

HAMMER, 5-29
32 Caliber; 5 Shots, Small Frame, Rubber Handle, Shoots 32 S&W Central Fire Cartridges.

Nickel Plated — Each
No. 32TTHN—3 inch Barrel, Wt. 12½ ozs. $6 50
No. 32STTHN—3 inch Barrel, Wt. 14½ ozs. 7.50

Blued
No. 32STTHH—3 inch Barrel; Wt. 12½ ozs. $7.00
32 Caliber, 5 Shots, Regular Frame; Rubber Handles; Shoots 32 S&W Central Fire Cartridges.

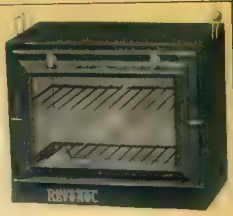
Nickel Plated — Each
No. 32TTHN—3 inch Barrel; Wt. 13 ozs. $6 50
No. 32STTHN—3 inch Barrel; Wt. 14½ ozs. 7.50

Blued
No. 32STTHH—3 inch Barrel; Wt. 15 ozs. $7.00

One in a Box

"DIAMOND EDGE IS A QUALITY PLEDGE"

62



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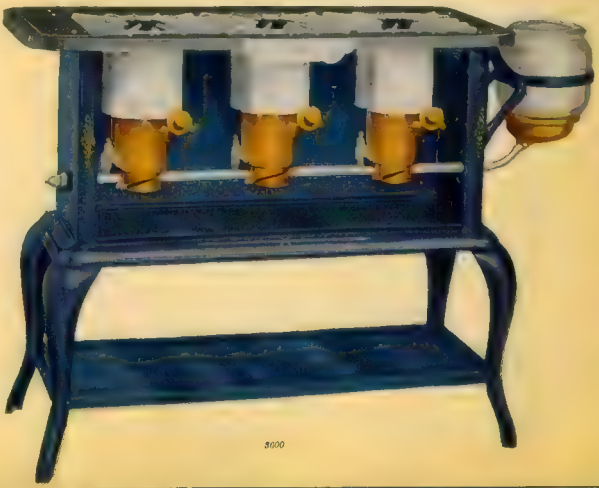
80



5000

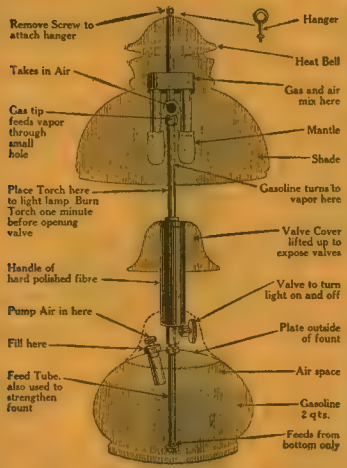
REVONOC WAGONS.

Express, Farm and Coaster Wagons, Page 690.

Rifles, Page 1916. Gun Cases, Pages 1982 and 1983 Holsters, Page 1984. Cleaning Rod, Page 1939. Gun Cleaner, Page 1948
Coats, Page 1977. Shell Box, Page 1982. Vests, Page 1981. Hat, Page 1981.
Leggings, Page 1980 Guns, Pages 1906 to 1909

The Last Word in Gasoline Vapor Lamps.

Brilliant, Simple, Durable, Economical—in a Word Satisfactory.

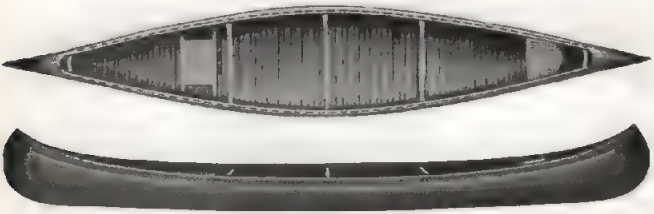

Remove Screw to attach hanger
Hanger
Heat Bell
Takes in Air
Gas and air mix here
Gas tip feeds vapor through small hole
Mantle
Shade
Place Torch here to light lamp Burn Torch one minute before opening valve
Gasoline turns to vapor here
Valve Cover lifted up to expose valves
Handle of hard polished fibre
Valve to turn light on and off
Pump Air in here
Plate outside of fount
Fill here
Air space
Feed Tube, also used to strengthen fount
Gasoline 2 qts.
Feeds from bottom only

H.S.B. & Co. REV-O-NOC Improved Reading Lamp—

"We Always Stand Behind the Brand"

GASOLINE LAMPS—PAGE 1010A.

ROBINSON MODEL CANOE



"GOLD ARROW" BRAND. MAHOGANY FINISH

For beauty of lines, excellence of material and finish this model stands in a class by itself. It was designed by and made under the supervision of the President of our company (a canoeist of many years' experience), and constructed exclusively for us by the best builders of canoes in the world—E. M. White & Co., Old Town, Maine.

A GRACEFUL, STEADY, BEAUTIFULLY FINISHED CANOE

Perhaps in no other kind of watercraft is quality and method of construction, and design considered less by the general public than in the canvas covered canoe, and manufacturers who depend upon extensive advertising and gaudy paint to cover up defective material and workmanship, have enjoyed a popularity for their product out of proportion to its merits.

The method of attaching the planking on "White's make" canoes alone doubles the actual value, as the edges of the cedar board are beveled and lapped, making a practically watertight joint, before the canvas is stretched over. In other makes the edges of the plank are square and "butted" against each other, and when the canoe swells or shrinks, sand works in and the canvas soon gives way.

ONLY SELECTED MATERIAL IS USED

Every piece of material that goes into this model is specially selected, for strength and while light in weight our "Gold Arrow" brand is the stiffest, strongest and most durable canoe built.

As will be seen from the illustration the gunwales are of the open pattern, so when turned on its side water and dirt will run out freely. The mahogany finished thwarts are made of selected stock, hand finished and the gunwales and decks are of the same material, the latter being bowshaped, twenty inches long. The ribs are steam shaped and taper from center to ends, fitted with half ribs between the regular ribs.

The stern seat is fastened flush with the under side of the inwales, and the bow seat is about four inches lower, but can be adjusted to a higher position if required. The finish is a beautiful "Indian Red," with a gold arrow painted on both sides from bow to stern. The bow is fitted with a brass plate and ring for attaching anchor or tie rope.

PRICE OF "GOLD ARROW" CANOES

No. R1. 17 feet long, with keel carried in stock. at New York..... $45.00

CANOE FACTS

The One Best Make

I have paddled canoes so long, and watched their construction so carefully, I know some canoe facts that, perhaps, the average buyer of canvas covered crafts doesn't realize.

From the start I noticed that some canoes paddled hard, and "hung back" while others, even when heavily loaded, seemed to glide through the water. Some models tipped easily and could not be successfully handled in rough water, while others acted as steady as a ferryboat. Then again when I got mixed up with rocks and shallow water, some canoes seemed to snag and leak easily, while others took an amount of punishment far in excess of what I thought possible.

Ask Any Guide In Maine

On a two months' trip to Maine I watched every canoe I passed on lake or river and nearly every one paddled by a guide was of a single model or general design. I became interested to find out the whys and wherefores. I tried all the different makes I got a chance to step in. I called at many factories, and saw the molds or forms they were made on, the kind of material used, and the way the workman put them together. At last I found the one shop—a comparative small one—where design, material and workmanship seem to me to be about as near perfect as a human could expect. My observation confirmed what many a guide had told me—that one make of canoe was far and away ahead of all others.

There was nothing fancy about this little shop or the sturdy proprietors, but they were making the best canoe, from every standpoint money could buy, and they weren't making any big noise about it either. I am referring to

E. M. White & Co., Old Town, Maine

I made a proposition to Mr. White to join hands and we did. I secured the agency for our company for a large territory and the general public began to realize what the guides in Maine knew all along. The sales began to increase and the capacity of the little shop was overtaxed. There was nothing to do but build a larger factory and this was done five years ago. Notwithstanding the big increase in the factory—three times the size of the old one—the demand for "White made" canoes is still far in excess of the supply. This only goes to prove the old saying that merit wins in the long run.

Every Seam is Beveled and Lapped

There is just one point I want to tell you about in detail. It's the way White puts on the planking, and, by the way, no short boards are used. Instead of butting the boards up against each other, as all other makers do, White bevels and laps every seam, thus making a practically water-tight craft, before the canvas is stretched on. This method prevents cracks caused by shrinking or swelling, and keeps out the sand which is the ruination of canvas.

When buying a canoe, ask the salesman "Is the planking beveled and lapped?" If he knows what you are talking about, and is truthful, he will hesitate and answer "No"—unless it's a "White."

Powhatan Robinson President

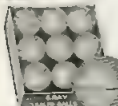
RUBBER TOYS AND SPECIALTIES

A up-and-t select on including the red rubber stapl es and the latest novelties. We list the sellers only A... fresh stock of first quality new rubber We make prices for America — buy here and you'll get genuine satisfaction out of handling the me

"INVINCIBLE" SOLID RUBBER BALLS.

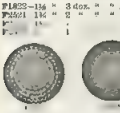
Extra high bouncers. Guaranteed best on the market.

Gray Solid Ju bilee ... GRO $0 ...
F2311 ... in. ... GRO $0 ...
F2312 1 38



Gray Solid "Ki ... Super" Ball
F2... ... Doz. 15c
... $1.65
F2316—3½ in. 3 center 2 doz. in box Doz. 19c
Gro. $2.10
F2317—3½ in. 2 doz. in box. Doz. 25c
Gro. $2.75
F2318—4 in. 1 doz. ... Doz. 35c
F2319—2½ in. 1 doz. in box. Doz. 75c
... $8.40

Red Solid Balls — Red all through not enameled. Extra high bouncers.
Size ... Gro.
F2318 ... in. ... $0 14
F2321 1½ " 2 " ... 28
F2... 1 " ... 32
F... 1 " ... 75



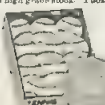
Rubber Golf Balls—Excellent imitation of genuine golf balls in solid rubber, inside red white and blue enameled, good bouncers. 1 doz. box.
... Diam. ... Doz.
F2... Mfrs. No. 6... Diam. 1¾ in. $0 ...
F2... ... 1¾ " ...
F2... ... 1¾ " ...
F2... ... 1¾ " ...

Solid Gray Rubber Hand Balls
... in assorted sizes, ... per ...
F2... ... $1 50 $0 ...
F2... ... 60 ...

Painted Solid Rubber Finest ... in assorted ... colors, ... Handles ... Balls ... in ...
F2... ... Doz. $0 42
F2... ... 79

TENNIS OR PLAY BALL.

Very popular because of its high bounding qualities. Manufactured from high grade stock. 1 doz. in box.



F2... ... Doz. 84c

PAINTED RUBBER BALLS.

Permanently inflated, decorated in assd. combination solid and shaded colors, fancy color and bronze stripes, harlequin, comic picture and floral designs. Packed in sprinkled boxes.

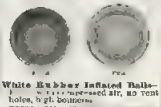
Sizes are circumference of balls.

F2353—5¼ in. 1 doz. in box. Doz. Out
F2354—Mfrs. No. 2(4). 7¾ in. 1 doz. in box. ... Doz. 85c
F2355—Mfrs. No. 2½. 7¾ in. Assd. ... Doz. Out
F2358—Mfrs. No. 3½. 8¾ in. 1 doz. in box. ... Doz. 96c
F2356—(Mfrs. No. 2½). 8¾ in. 1 doz. in box. ... Doz. $1.25
F2357—(Mfrs. No. 3½). 11 in. ¼ doz. in box. ... Doz. $2.00
F2358—(Mfrs. No. 5½). 11½ in. 1 doz. ... $2.25
F2359—(Mfrs. No. 4½). 13½ in. ¼ doz. in box. ... Doz. $4.10
F2360—(Mfrs. No. 6). 16½ in. ¼ doz. in box. ... Doz. $4.40

"BOUNCER" RUBBER BALLS.

Made by the best factory in the country. Our trademark guarantees quality.

Gray Bat Hollow Balls—
... Mfrs. No. ... Diam. 1¾ in. ... Doz. 27c
... 2½ in. ... 32c
1 doz. in box ... 35c
F2300—Mfrs. No. 20). Diam. 1¾ in. 1 doz. in box. ... Doz. 40c
... Mfrs. No. 3... ... 54c
1 doz. in box ... 82c
F2332. Mfrs. No. 40). ... 82c
1 doz. in box ... 1 ...



White Rubber Inflated Balls—... unpressed air, no vent holes, high bounders.
F2336—(Mfrs. No. ... Diam. ¾ in. 1 doz. in box ... 34c
F2338—(Mfrs. No. 1 ... 1 doz. in box ... 45c
F2... Mfrs. No. 12... ... 75c
F2... ... 1 doz. in box ... 1 ...
F2340—(Mfrs. No. 160). Diam. 3½ in. ¼ doz. in box. ... Doz. $1.95
Finest Red Rubber Inflated Balls ... unpressed air, no ... burning.
F2342—Mfrs. No. 108). Diam. 1¾ in. 1 doz. in box. ... Doz. 38c
F2343—(Mfrs. No. 128). Diam. 2 in. 1 doz. in box. ... Doz. 69c
F2344 (Mfrs. No. 14...). Diam. 2¾ in. 1 doz. ... Doz. 75c

F2341. (Mfrs. No. 5). Rubber Nature Ball. ... Made of white rubber ... in. ... Doz. 30c
... $1.50

"COUNTER" RUBBER BALL ASST.

F2310—6 styles, ¼ doz. each gray ball, musical fluted, white and red inflated imitation orange and patented Wire display basket included. Assd. 3 doz. in basket. ... Doz. 84c

RUBBER GAS BALL.

F2333—Diam. about 5½ in., heavy 2 color rubber, red and white, blue and white, purple and yellow, pink and ... Doz. 80c

"INVINCIBLE" SOLID RED RUBBER BAND BALLS.

Extraordinary bouncers. Only the best materials used

Solid red, not enameled.

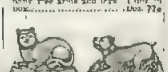
F2197 — Diam. 1½ in.	2 doz. in box	Gro. $2.75	Doz.	24c
F2681 Diam. 1¾ in.	1 doz. in box	Gro. $4.25	Doz.	39c
F2682 — Diam. 2 in.	1 doz. in box	Gro. $8.50	Doz.	75c

RUBBER BABIES AND TOYS.

Painted features, each with whistle voice.

F2560 F2564 F2561

F2560—(Mfrs. No. 176) 3¼ in., good stock, well finished. 1 doz. in box. Doz. 42c
F2562—(Mfrs. No. 60) 3¾ in., assd. babies on elastic cord. 1 doz. in box. ... Doz. 75c
F2563—(Mfrs. No. 76) 4½ in., naked baby, free arms and legs. 1 doz. in box. ... Doz. 72c

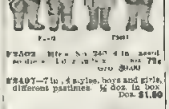


2 of 6 styles

F2564 (Mfrs. No. 401) Average 3½ x 2¾ in., dogs, cats, rabbits, chickens, etc. Assd. 1 doz. in box Doz. 77c

F2561—(Mfrs. No. 3, 5¼ in., good smock assd. boys and girls. 1 doz. in box ... Doz. 79c

F2562 Mfrs. No. 247 4 in. assd. ... Doz. 78c
... $8.40



F2497—7 in., 5 styles, boys and girls, different pastimes. ½ doz. in box. Doz. $1.50

F2566—Mfrs. No. 18 6½ in. large ... Assd. ½ doz. in box. ... Doz. $1.95

DRESSED RUBBER DOLLS.

Painted features, embossed hair and hats, knitted worsted costumes assd. red and white and blue and white. 1 doz. in box.

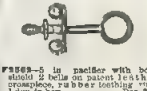
F2404—(Mfrs. No. 401), 4½ in. Doz. 73c
F2374—6 in. ... " 94c

"KEWPIE" RED RUBBER DOLL

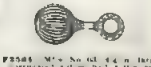
F2405 ... fine quality, clubby body, black hair features and hair large regular palates, eyes, rubber socket joints arms, 24 doz. in box. Temp. Out

RUBBER RATTLES.

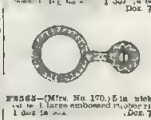
F2566—(Mfrs. No. 180.) 3¾ in., nickeled bell, large embossed rubber ring handle. 1 doz. in box... Doz. 36c



F2568—5 in. pacifier with bone shield 2 bells on patent leather arrangement, rubber teething ring. 1 doz. in box... ... Doz. 38c
Gro. $4.40



F2564 Mfrs. No. 61... 4 in. large ... Doz. 74c



F2565—(Mfrs. No. 170.) 5 in. nickeled ... 1 large embossed rubber ring. 1 doz. in box ... Doz. 74c

F2563—(Mfrs. No. 50.) Aver. 4¾ in., 3 styles, nickeled bell and embossed figure on ... teething handles. 1 doz. in box. ... 76c

F2413 — French Rubber Asst. Length 9 in., 3¾ in embossed baby figures, painted features, white voice, polished stained wood handle ... 1 doz. in box ... Doz. 96c

BELL RATTLES.

Black enameled turned wood handles unless stated.

F1769—3½ in., four ¼ in. double slot nickeled bells on red & white enameled band. 1 doz. in box. Doz. 32c
Gro. $3.60

F1763—5½ in. eight ⅝ in. double slot nickeled bells on red & white enameled bands, white enameled handle. 1 doz. in box..... Doz. 75c
Gro. $8.00

F1760—5¾ in. nickeled ring rattle with 8 nickeled jingling bells. 1 doz. in box. Doz. 34c
Gro. $3.90

F1764—6½ in. eight ⅝ in. double slot nickeled bells on red and white celluloid bands. 1 doz. in box Doz. 62c
Gro. $6.40

F1768—8½ in., three 1 in. double slot nickeled bells on red & white enameled band, rubber teething ring. 1 doz. in box..... Doz. 37c
Gro. $4.20

DECORATED TIN AND ALUMINUM RATTLES.

F3035—4½ in., embossed, assd shapes and colors, porcelain cut pieces, trumpet reed. 2 doz. in box Doz. 18c

F1767—5¾ in., five 1¼ in. double slot nickeled bells on heavy celluloid band, white enameled handle. 1 doz. in box Doz. 45c

F3027—5½ in., wood, embossed and hand painted jointed figures, mouthpiece, trumpet reed. Assd. 2 doz. in box. Two styles F3027
Doz. 24c

F1762—6½ in. four ¼ in. double slot nickeled bells on red & white enameled band, rubber ring. 1 doz. in box Doz. 65c
Gro. $7.50

ZYLONITE RATTLES.

Twisted white zylonite loop handles

F5000—6 in., natural tinted revolving apple. 2 doz. in box.....Doz. 33c

F5009—Length 8 in., white, blue and pink ribbons, girls 7½ in., twisted white loop handles. Assd. 2 doz. in box Doz. 44c

F5003—About 6 in., 3 styles assd., large revolving balls, perforated roller and round shape with ball panel, attractively solid and combination colors. 2 doz. in box. Doz. 62c

F5015—Length 7½ in., girls of colleen, 5½, assd. loop handles, in blue, pink, green and white. Unusual value. With 1 doz. in box..... Doz. 89c
Gro. $10.50

LATEST NOVELTY ZYLONITE RATTLES.

Nonvicel material, exceptions by well pink togel, re-mistmixing breaking, extra heavy handles, pink & white and blue & white

F6326—4 in. over, 5½ in., heart, egg and round shapes, round rattle with 2 bells, in good loop handles Assd. 1 doz. in display box. Doz. 79c

F6327 Teething Ring, 4 styles, over 4¼ in., heart, egg, round and bell shapes, ring handles. Assd. 1 doz. in display box.... Doz. 87c

Our line of Wheel Toys is unexcelled—especially our line of "Marathon" wagons.

WICKER AND WORSTED RATTLES.

F5020—7½ in., knit worsted covered drum bow with 2 bells, pink & white and blue & white. Assd. 1 doz. in box ..... Doz. 78c

Two styles F5021

F5021—5 in., celluloid head, painted features knit worsted covered wicker body, red & white, pink & white and blue & white. Assd. 1 doz. in box..... Doz. 87c

MAGIC LANTERN SLIDES.

12 assd. well selected colored subjects. First size is wide, so you can easily tell which size fits your lantern. 1 doz. in box.

F3077—1 x 3 ..... Doz. $0 12
F3078 3¼x3¼ " 14
F3079—4¾x5 " 23
F3081—4¾x6¾ " 35

MASKS

Everett's original line. Does not include many masks than any other. And our large selling concerns we can get and give better prices. Many of the assorted styles in package giving widest possible variety for small investment.

GAUZE MASKS.

Natural tinted, painted features, finished edges.

F3353—Children's sizes, large variety of characters. Assd. 1 gro. in box. ..... GRO. 89c

F3354—Youths' sizes, clowns, negroes, Chinamen, etc. 2 doz. in box ..... Doz. 22c

Following are full size

F3355 Women. Assd. 1 doz. in box ..... Doz. 33c

F3356 Men and women. Assd. 1 doz. in box ..... Doz. 34c

F3357—12 comic styles, tramp, dude, Irishman, Jew etc. Assd. 1 doz. in box ..... Doz. 34c

F3358—Negro and Topsy. Assd. 1 doz. in box ..... Doz. 34c

F3359 Nations. 12 styles, Indian, Chinaman, Jew, young and old women etc. with hair, mustaches, etc. Assd. 1 doz. in box. Doz. 42c

Following Hairs Close Mesh, Full Features

F3360 - Men and Women. Assd. 1 doz. in box. ..... Doz. 60c

F3361 Wazzo. 12 comic styles, devil old woman, Topsy, Jew, farmer, clown, etc., with hair, mustaches, side whiskers, etc., colors will not run. Assd. 1 doz. in box. Doz. 75c

F3362 12 styles negro, Indian, girl and granny with hair, mustaches with fully assd. 1 doz. in box. Doz. 33c

1 of 6 styles.

F3365—6 styles, Dutchman, negro, Irishman and tramp with hair, mustaches, hood, cap with ear, with fully mustaches or eyebrows Assd. ½ doz. in box..... Doz. $2.00

GAUZE POPULAR CHARACTER MASKS.

Naturally tinted, painted features, finished edges.

Straight Characters—Suitable for character costuming parties, etc., extra sizes. Assd. 1 doz. in box

F3367 Clown
F3368 Negro
F3369 Tramp
F3370 Dutchman
F3371 Indian
F3372 Chinaman
F3373 Jew
F3374 Various nations

Doz. 60c

DOMINO MASKS.

"Lusjoe"—Nourishing. 1 doz. in pkg. assd. colors.
F3391—Satcen..... Doz. $0 30
F3392—Satin " 60

POPULAR MASKS.

F3315 F3350

F3315—Children's. Unvarnished, medium sizes. Assd. ¼ gro. in pkg. GRO. 75c

F3350—Youths'. Plain and varnished cloth faces, wool mustaches and beards. ¼ gro. in pkg. GRO. 85c

F3383—Children's brownie masks, fully assd. 2 doz. in pkg. ..... Doz. 18c

Following are FULL SIZE

F3324 F3334

F3324—Varnished, assd., devil, Chinaman, Indian, negro, etc. 2 doz. in pkg. ..... Doz. 18c

F3325 Varnished hair and wool mustaches, assd. devil, Chinaman, Indian, negro, etc. 1 doz. in pkg. Doz. 22c

F3333—Extra quality varnished faces, natural Happy Hooligan, Foxy Grandpa, Alphonse and Gaston, 1 doz. in box Doz. 32c

F3335 12 characters full size well wood, with hair, mustaches, beards, etc., painted eyebrows and lips—tramp, clown, Chinaman etc. Assd. 1 doz. in box. ... Doz. 42c

F3336 F3338

F3336—Well waxed painted eye brows, beards and mustaches, Yankee, Arab, tramp, Knight, Dutchman, Indian, etc. Assd. 1 doz. in box. ..... Doz. 60c

F3338—Novelty asst., blinking eyes and moving lips or eyes. 12 subjects assd. nationalities and comics, fine work well painted, hair lashes, spring attachments. 1 doz. in box. Doz. 68c

MASK FASTENER.

F3305—Patent elastic 100 in box. Per 100..... 60c

CURTAIN MASKS.

Fair Quality—
F [illegible] 1 doz. in pkg.
F [illegible] Black
F [illegible] White
F [illegible] Pink
F [illegible] Blue
F [illegible] Red
F [illegible] Assd.
Doz. 18c

Above in gro. lots $2.00

Extra Quality—Cambric. 1 doz. pkg. Doz. 33c

Fine Quality—Satin. 1 doz. in pkg.
F 3360—Mercerized satin. Colors. Doz. 69c
F 3360—Satin, assd. colors, eyelets 2 doz. in box. Doz. $1.25

"12 STYLES" CARTOON ASSORTMENT MASKS.

2 of 12 styles

F3334—12 styles, good pressed [illegible] well painted eyes, red cheeks and full lips. Assd. 1 doz. in pkg. Doz. 42c

WIRE MASKS.

Good wire mesh, well bound, flesh tinted heads and cut painted features

F3345—Assd. men and women. 1 doz. in pkg. ..... Doz. 60c

F3344—All women. Assd. 1 doz. in pkg. ..... Doz. 60c

F3343 Extra close weave, assd. men and women. ½ doz. in pkg. Doz. 84c

MASK NOSE WITH MUSTACHE.

F3322—Asstd. shapes, good grade varnished, some with extra long hair mustache, wire spectacle rims. 1 doz. in box ..... Doz. 22c

2 of 6 styles.

ASSTD. MASK OUTFITS.

2 of 3 styles

F3312—3 styles, consist of semi wig, mustache and beard, and one nester mache nose with eyes of each with assortment of [illegible] in box. Assd. 1 doz. sets in pkg. Doz. sets 87c

(Note.—When used with F3310 Instant Mask makes a very funny paste disguise.)

REAL HAIR MUSTACHES AND WIGS.

Assd. shades.

Mustaches With Imperials.
F 3370—Extra fine. About 6 in. long in box. GRO. 87c
F 3371—Fine quality, [illegible] 1 doz. in pkg. DOZ. 34c

Buffalo Bill Set—6 in. mustache and goatee, fastener
F 3377—Good quality. 2 doz. sets in pkg. Doz. sets 32c
F 3376—Heavy stock, curly hair. 1 doz. sets in pkg. Doz. sets 34c

F3374 F3375

F3374—Tramp or Character Beard. Full fine, combed foundation, elastic holder. 1 doz. in box. Doz. 82c

F3376—Wig. Assd. black, red & gray. Full size, curled or combed styles, in pkg. Doz. $2.00

CHARACTER CARNIVAL HAT.

F3310—6 styles assd. i. e., A. B., Paderewski, policeman, derby, U. S. Post and Telegraph, with feather, mask finish, gilt bands. 1 doz. in box Doz. 84c

IMPORTED WIG ASSORTMENT.

F3369—6 styles, well made, characteristic old lady Dutch, negro, professor eccentric and old man, gray, white, curved, good quality stockinette which fits head like a cap. Assd. 1 doz. in box ..... Doz. $2.15

BICYCLE HANDLE BAR GRIPS

*RUGBY

All Bicycle Grips 2¾ Inches Long

Per Dozen Pairs

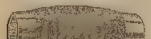
No. 25W ¾ inch Best Quality Cowhide, stitched with Waxed Cord Sewn, Nickel Plated Ferrules Weight per Doz. Pairs 1¼ lbs. $2.50
One Dozen Pairs in a Box

Per Dozen Pairs

No. 13VF ¾ inch Hard Leather Wound on Wood Core, Nickel Plated Ferrule, Stamped Rosewood Top Weight per Doz. Pairs 1¾ lbs. $2.50
One Dozen Pairs in a Box

Hard Leather Wound on Wood Core, Hardwood Tip and Ferrule. Per Dozen Pairs

No. 12LW—¾ inch, Nickel Finished Tip and Ferrule $1.75
No. 24LW—¾ inch, Nickel Finished Tip and Ferrule 1.00
No. 14J—¾ inch, Nickel Finished Tip and Ferrule Weight per Doz. Pairs 1¾ lbs. 1.25
One Dozen Pairs in a Box



Per Dozen Pairs

No. 28LM—¾ inch Hard Leather wound on Wood Core, Nickel Plated Ferrule and Trip, Weight per Dozen Pairs 1¾ lbs. $2.00
One Dozen Pairs in a Box

ANGUS

Per Dozen Pairs

No. 26R—Black Flexible Rubber Moulded over Cotton Fabric, Nickel Plated Ferrule Several Grip Length 7¾ inches Diameter of Hole ¾ inch Weight per Dozen Pairs 4½ lbs. $0.00
One Dozen Pairs in a Box

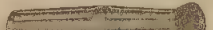
BULL DOG

Per Pair

The very latest Style Motor Type Bicycle Grip Made, Very Strong and Durable Shape is for a Non Slip Grip, which is of Great Assistance in Riding

Per Dozen Pairs

No. BD Made over a core of light wood, covered with best Cow Hide, over which is stitched a smooth Heat Resisting Rubber Ferrules, Length of inches Diameter of Hole inch Weight per Pair lbs. $6.50



BOY SCOUT

Per Pair

No. 62D—Black Flexible Rubber Moulded over Cotton Fabric, Length 6 inches, Diameter of Hole ¾ inch, Weight per Pair ½ lb. $1.00

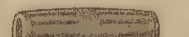
No. 26G—Similar to No. 26R, Except Grips, Made of Black Flexible Rubber Moulded over Cotton Fabric, Length 6 inches, Diameter of Hole ⅞ inch, Weight per Pair ¾ lb. .60
One Pair in a Box.

MOTORCYCLE HANDLE BAR GRIPS

MOTORCYCLE GRIPS

Per Pair

No. 1MG—Black Flexible Rubber Moulded over Cotton Fabric, Woven Steel Reinforcement on End or Screw through the Grip at its Weakest Point. Extra Heavy Cotton Fabric throughout. Length 8¾ inches Diameter of Hole 1 inch Weight per Pair 1 lb. $1.00
One Pair in a Box.



SHORT MOTORCYCLE GRIPS

Per Pair

No. 3MC—Black Flexible Rubber Moulded over Cotton Fabric, Length 4¾ inches, Diameter of Hole 1⅝ inches, Weight per Pair 7 Ounces $1.00
One Pair in a Box

HANDLE BAR BUFFERS

Per Dozen

No. 10—One Piece of Rubber with Concealed Spring which Clamps Handle Bars, 1 in Place Length 4¾ inches, Weight per Dozen ¾ lb $1.50
Two Dozen in a Box

TROUSER GUARDS

*RUGBY

"ORIGINATED BY US"

These Guards are the Best Protection to Riders of Fast Motorcycles. They are Light and Comfortable to Wear, Fitting the Calf of the Leg Snugly and Absolutely Preventing the Trousers being Caught in the Mechanism.

Keeps the Trousers Free from Oil or Grease. Also Well Adapted to the Needs of Bicycle Riders—No Danger of Tearing the Trousers in the Chain when these Guards are Worn—Made with a Deep Projection on the outside to Turn Down over the Shoe.

BICYCLE AND MOTORCYCLE

Per Pair

No. 3C—Heavy Russet Harness Leather; Bulldog, Pacey Flora Stamped Border Creased Edges Three Rubber Cover Fasteners on Black Enameled Heads; Height 8¼ Inches; Weight 3 ozs. Loose $1 50

NEW DEPARTURE

Per Gross Pairs

No. 1C—Black Concaved to will cover shoe shape, Spring Tension Fasteners with Nickel Plated Heads Weight per Gross Pairs 5 lbs. $3 60

Quarter Gross Pairs in a Box

PERFECTION

Per Gross Pairs

No. 8P—Flat Spring Tempered Black Wide Black Enameled, Weight per Gross Pairs 10½ lbs. $4 00

Quarter Gross Pairs in a Box

BICYCLE TOOL BAGS

Each

No. 10 Genuine Black, Brown or Tan Pebble Leather Complete with Straps, Size 8 inches Weight 4 ozs. $2 75

Each

No. 8 Genuine Black, Brown or Tan Pebble Leather Complete with Straps, Size 8 inches Weight 3 ozs. $2 50

Each

No. 6 Genuine Black Brown or Tan Pebble Leather Complete with Straps, Size 8 inches Weight 2 ozs. $2 25

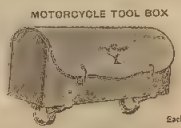
Each

No. 8—Ladies, Black, Brown or Tan Pebble Leather; Complete with Straps, Length 8½ inches Weight 3 ozs. $2 50

Each

No. 15—Russet English Russet Leather; Stamped Sides Knee, Back Enameled, Firmly Riveted to Leather Complete with Straps, Length 7 in., Weight 8 ozs. $2.00

MOTORCYCLE TOOL BOX



Each

No. B—Select Oak, Tanned Leather, Length 7 inches Width 3 inches, Height 4 inches, Frame of Cold Rolled Steel Highly Enameled, This Box with Carry Tools and Brush to Hold Them Is One of the Most Useful Tool Boxes Ever Designed We Supply Clamps to Fit any Size Tubing Weight 11 lbs. $2 50

HANDLE BARS

*RUGBY NON-RUST

Genuine Drop Forged Stems; High Grade Steel Tubing Heavily Nickel Plated over Copper; ¾ inch Stems with Expanders; Without Grips

*RUGBY MOTORCYCLE STYLE

No. [illegible] Motorcycle style handle bar [illegible] Very Strong [illegible] forged [illegible] Adjustable [illegible] Forward Extension [illegible] Weight [illegible] Without Bicycle Handle Bar on the Market. Each

No. M—Complete with Handle Bar Stems (Less Grips) Made of [illegible] Tubing, [illegible] Inches Drop or Rise [illegible] Inches Forward Extension, Length of Stem under Head 8¾ Inches with Expander. Wt. Complete 4 lbs. $4 00

EXTENSION

¾ inch Tubing; Drop 6 inches, Forward Extension 8 inches, 9 inch Forward Bend

No. R36 —Width 24 in. Without Grips; Wt. 2 lbs. ..... Each $3.00

EXTENSION

No. RER—5-inch Tubing; Width 19 inches, Drop 2½ inches; Forward Extension 2½ in., No Drop. Grips Weight 1 lb. ... Each $1 70

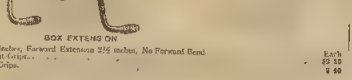
No. RE3—¾ in. Tubing; Width 22 inches, Drop 3 in.; Forward Extension 2½ in. Without Grips, Wt. 2 lbs. ... $ 70

ADJUSTABLE

No. RA¾-inch Tubing, Width 20 in.; Drop 9 in., Forward Bend 1¼ in., Wt. [illegible] Without Grips ... $1 50

JUVENILE

No. JRA ¾ inch Tubing, Width 16 in. Drop 3½ inches; Forward Bend 1¼ in. Weight 1¼ lbs. Without Grips ... $1 50



BOX EXTENSION

¾ inch Tubing; Drop 6 inches, Forward Extension 2½ inches, No Forward Bend

No. RB32—Width 32 inches, Weight 1¾ lbs., Without Grips ... Each $2 10

No. RB24—Width 24 inches, Weight 2 lbs., Without Grips ... $ 90

KELLY RACING

Each

No. 4KE—Steel Tubing, Nickel Plated and Polished, ¾ inch Tubing, Width 24 inches when Level 24 inches Forward Extension 9 inches Drop 6 inches Rise 6 inches Backward Sweep 2 inches Drop 6 inches Expander Forward Extension 2¼ inches Grips and Rubber Caps and Ring Mast Weight each 24 lbs. Without Grips ... $2 80

KELLY ADJUSTABLE

Each

No. 8KE—Steel Tubing, Nickeled and Polished ¾ in. Tubing Extreme Width 27½ in. Adjusting to 12 in. Extreme Drop or Rise 12 in. Width 24 in. Wide has a 6 in. Drop or Rise; Forward Extension 2¼ in. 9 inch Drop Forged Stem with expander. Weight each 3½ lbs. Without Grips ... $3.50

KELLY CALIFORNIA

Each

No. 8KE—Steel Tubing, Nickel Plated and Polished, ¾ Inch Tubing; Width 28 inches, when Level 21 inches; Forward Extension 1 in.; Forward Curve 1 inch; Weight Each 2 lbs.; Without Grips. ... $2.70

Loose

HANDLE BAR TOPS

*RUGBY SENSIBLE NON-RUST TOPS

Without Grips

Centers or Formers Brazed on Japan High Grade Steel Tubing Heavily Nickel Plated over Copper and Polished Each

No. R [illegible] Width each 18 in. Drop, 2½ in. Forward Bend, Weight each [illegible] lbs. $0.80

No. RB3 [illegible] Width each 3 in. Drop, 4½ in. Forward Bend, Weight each 1 lbs. 1.50

No. R3S [illegible] Width 28 in. Wide 3 in. Drop, 4½ in. Forward Bend, Weight each 1¾ lbs. 1 50

No. R3S-3 Box Bend, [illegible] Wide 3 in. Drop, 4½ Forward Bend, Weight each 1¾ lbs. 1 70

No. R1S-3—Box Bend [illegible] Wide 3 in. Drop 4½ in. Forward Bend, Weight each 1¾ lbs. 1.80

Juten [illegible] Width 24 in. Drop, 2¾ in. Forward Bend, Weight each 1¾ lbs. 80

No. R1S6 [illegible] Wide 6 in. Drop 3 in. Forward Bend, Weight each 1¾ lbs. 1 60

No. R2S [illegible] Wide 8 in. Drop 4 in. Forward Bend, Weight each 2 lbs. 1 60

No. R3S [illegible] Wide 8 in. Drop, 4½ in. Forward Bend, Weight each 2 lbs. 1 70

No. R2S—24 in. Wide 6 in. Drop, 4½ in. Forward Bend, Weight each 2 lbs. 2.00

Loose

HANDLE BAR STEMS

No. 23½ Extension Regular

*RUGBY NON-RUST EXTENSION STEMS

Genuine Drop Forged [illegible] Grade Steel Tubing Heavily Nickel Plated over Copper, For Top with 1 inch Forging, 8 in. Forward Extension, Length of Stem under Head 4¾ in. with Expander Each

No. 2SSE—Size ¾ inch, Weight each 14 ozs. ... $0 70

*RUGBY NON-RUST EXTENSION STEMS

Genuine Drop Forged for ¾ inch Tops, High Grade Steel Tubing Heavily Nickel Plated over Copper, For Top with 1 inch Ferrule 3½ inch Forward Extension, Length of Stem 4¾ in. with Expander. Each

No. 22S—Size ¾ inch, Weight each 18 ozs. ... $0.80

No. 22S—Size ⅞ inch, Weight each 12 ozs. ... .80

No. 22S—Size 1 inch, Weight each 12 ozs. ... .80

*RUGBY NON-RUST REGULAR STEMS

Genuine Drop Forged

[illegible] Grade Steel Tubing Heavily Nickel Plated over Copper, For Top with [illegible] inch Ferrule, 3½ inch Forward Extension, Length of Stem under Head 4¾ in. with Expander Each

No. 21C—Size ¾ inch, Weight each [illegible] $0 80

No. 21C—Size ⅞ inch, Weight each [illegible] .80

No. 21C—Size 1 inch, Weight each [illegible] .80

Juten [illegible] inch, Weight each [illegible] .60

No. R2S7—Size 1¼ in., 24 ozs. Weight 14 ozs. ... 1.00

No. R2SC—Size 1¼ in., as above with 9 in. under Head; Wt. 14 ozs. 1.00

Loose

MOTOR BIKE HANDLE BAR TOPS

Without Grips

Each

No. MB2—Handle Bar Top only, Iver Steel, Iver Grips Made of High Grade Steel Tubing, Heavily Nickel Plated over Copper, ¾ inch Tubing, Width 21 inches; Drop or Rake 6½ inches, Straight Grip Bend and 10½ in. Long. Weight each 3 lbs. ... $1 90

No. 22E—¾ Stems for MB2 Tops. ... 60

MOTOR BIKE HANDLE BAR TOPS

FOR RUGBY HANDLE BAR STEMS

NOTE—Always Specify Sizes Wanted

Each

No. CS—Collar Screws for No. 22E Stems; Wt. per Doz. 8 ozs. ... $0.60

No. EP—Expander Plugs, 5½ ins. ¾ in. for Nos. 22E, 21C, 21DC and Juvenile Stems. Wt. per Doz. 8 ozs. .10

No. EB—Expander Bolts, 6½ in. for No. 22E, 21C and Juvenile Stems. Wt. per Doz. 10 ozs. .10

No. EB10—Expander Bolts, 10 in. for No. 23DC Stems; Wt. per Doz. 20 ozs. .15

Loose

HANDLE BAR PARTS

FOR KELLY BARS

Steel Tubing, Nickel Plated Each

No. HBT—1 inch Forged Extension, Stem Expander, Wt. each 10 ozs. $1 60

No. HB4—¾ inch Forged Extension, Stem Expander, Weight 14 ozs. 1 00

No. HB—Nuts for Stems; Weight per Dozen 8 ozs. .10

No. HB—Washers for Stems; Weight per Dozen 4 ozs. .10

No. B4—Spreaders for Expanders Weight per Dozen 20 ozs. .70

No. B5—Plugs for Expanders, Weight per Dozen 12 ozs. .50

No. B6—Right Side Arms 3 and 5 Shape (Double Row Teeth) Weight each 11 ozs. .80

No. B7—Left Side Arms 3, 4 and 5 Shape (Single Row Teeth) Weight each 11 ozs. .80

No. B8—Reversible Tops Weight each 22 ozs. 1 60

SEAT POSTS

Stainless Steel Tubing, Drop Forged Top; Nickel Plated over Copper with Expander, Sizes ¾, 13-16 and ⅞ Inch.

Each

No. 8S3—3 in. Top; 8½ in. Stem; Weight 12 ozs. ... $4.00

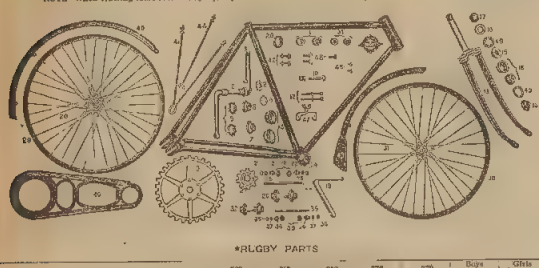
No. 8S3—4½ in. Top, 6¾ in. Stem, Weight 15 ozs. ... 4.20

Loose

"DIAMOND EDGE IS A QUALITY PLEDGE"

EXTRA BICYCLE PARTS

NOTE—When ordering these Parts always specify number or name of Models in addition to number of Parts wanted



*RUGBY PARTS

MODEL	700	650	600	378	379	Boys Juvenile	Girls Juvenile
Nos.	FRAME AND HEAD GROUP						
R1	Frame Complete, as to Specify Color and Size	$11 00	10.00	$10.00	$13.00	$18.00	$18.00
R10	Frame Bolt, for Binding Post Weight 6 oz	15	15	15	15	15	15
R11	Frame Stay Weight 1 oz	20	20	20	20	20	20
R13	Cap to Wrench on Weight 2 oz	.15	.15	.15	.15	.10	.10
R12	Front Fork Specify Color and Size Frame	7.50	6.00	6.00	6.00	3.70	3.70
R14	Lower Head to Fork Crown Weight 16 oz	.35	.30	.30	.25	.25	.25
R15	Upper Head to Fork Crown Weight 1 oz	.30	.25	.25	.20	.20	.20
R15A	Lower Head Cup Only Weight 7 oz	.25	.20	.20	.20	.20	.20
R15B	Upper Head Cup Only Weight 1 oz	.20	.20	.20	.20	.20	.20
R17	Head Lock Nut Weight 1 oz	.20	.20	.20	.20	.20	.20
R18	Head Lock Washer Weight 1 oz	.10	.10	.10	.10	.10	.10
R19	Head Ball Retainer Weight 1 oz	.10	.10	.10	.10	.10	.10
R20	Set Complete with Cups	.70	.70	.70	.60	.60	.60
	CRANK HANGER GROUP						
R8	Crank Only Weight 1 lb	2.00	2.00	2.00	2.00	2.00	2.00
R5	Sprocket Only Specify Number Teeth	3.00	2.50	3.00	2.00	1.50	1.50
R6	Hanger Ball Cup Weight 4 oz	.30	.25	.25	.25	.25	.25
R7	Hanger Ball Retainer, Without Balls Weight 1 oz	.15	.10	.10	.10	.10	.10
R4	Hanger Only Weight 1 lb	.50	.50	.50	.50	.50	.50
R7	Hanger Adjusting Cone Weight 3 oz	.30	.25	.20	.20	.20	.20
R8	Hanger Lock Nut Weight 2 oz	.25	.20	.20	.20	.20	.20
R9	Hanger Lock Nut Washer Weight 1 oz	.10	.10	.10	.10	.10	.10
	REAR WHEEL GROUP						
R20	Rear Wheel Less Tire Complete Specify Color and Size	2.60	2.50	3.40	2.60	2.00	2.20
R20½	Same as No. 20 Except Coaster Brake Wheel	5.00	4.50	4.50	5.00	3.50	3.50
R20¾	Rear Wheel Less Tire Complete with Flywheel	4.00	4.00	4.40	4.00	4.00	4.00
R20¾	Same as No. 20¾ Except Coaster Brake Wheel	6.40	6.00	5.90	6.40	5.00	5.00
	When Ordering Wheels Give Color and Size						
R22	Rear Wheel Less Tire Only Complete	.23	.20	.20	.20	.20	.20
R23	Rear Axle Only	.15	.15	.15	.15	.15	.15
R24	Rear Axle Nut Weight 1 oz	.15	.10	.10	.10	.10	.10
R25	Rear Axle Adjusting Weight 1 oz	.10	.10	.10	.10	.10	.10
R26	Rear Cone Shell Weight 8 oz	2.10	2.10	2.10	2.00	1.50	1.50
R27	Rear Sprocket Wheel Only, Specify Number Teeth	.50	.50	.50	.50	.50	.50
R28	Rear Sprocket Lock Nut Weight 1 oz	.10	.10	.10	.10	.10	.10
R29	Rear Wheel Rim Only Weight 1 lb	1.10	1.10	1.10	1.10	1.10	1.10
R29½	Rear Wheel Rim Only, 2 Tire Weight 1½ oz	1.30	1.30	1.30	1.20	1.00	..
	When Ordering Rims Give Color, Size and Finish						
R30	Rear Wheel Ball Retainer, without Balls Weight 1 oz	.10	.10	.10	.10	.10	.10
	FRONT WHEEL GROUP						
R31	Front Wheel Less Tire Complete Weight 2 lbs	3.00	3.00	3.00	3.00	2.00	2.00
R32	Front Wheel Less Tire Only Weight 1 lb 8 oz	2.75	2.25	2.25	2.50	1.75	1.75
	When Ordering Wheels Give Color and Size						
R33	Front Wheel Ball Cup Weight 1 oz	1.00	1.00	1.00	1.00	.50	.50
R33	Front Wheel Ball Cup Weight 1 oz	.15	.15	.15	.15	.10	.10
R34	Front Wheel Cone Weight 1 oz	.25	.20	.20	.20	.20	.20
R35	Front Axle Weight 1 oz	.15	.15	.15	.15	.15	.15
R36	Front Axle Nut Weight 1 oz	.10	.10	.10	.10	.10	.10
R37	Front Axle Washer Weight 1 oz	.10	.10	.10	.10	.10	.10
R38	Front Wood Rim or Enameled Iron Weight 1 lbs	1.00	1.25	1.00	1.00	1.00	1.00
R38½	Front Wood Rim for 2 in 1 Tire Weight 1 lbs	1.40	1.40	1.40	1.40	1.40	1.40
	When Ordering Rims Give Color and Size						
R38	Front Wheel Ball Retainer, without Balls, Wt 1 oz	.10	.10	.10	.10	.10	.10

EXTRA BICYCLE PARTS

NOTE—When ordering these Parts always specify number or names of Models in addition to number of Parts wanted

*RUGBY PARTS—CONTINUED

MODEL	700	650	600	378	379	Boys Juvenile	Girls Juvenile
	MUD AND CHAIN GUARD GROUP						
When Ordering Guards Give Color and Size of Wheels	Each	Each	Each	Each	Each	Each	Each
No. R40—Rear Mud Guard, Weight 1 lb	$1 80	$1.20	$1.20	$1 50	$1 00	$1 20	$1 20
No. R41—Rear Mud Guard Wire, with Nuts, Wt 4 ozs	.20	.20	.20	.20	.20	.20	.20
No. R42—Rear Mud Guard Stay, Weight 1 lb	10	.10	.10	.10	.10	.10	.10
No. R43—Front Mud Guard, Weight 4 ozs	1 10	1.10	1.10	1.10	1.10	1.10	1.10
No. R44—Front Mud Guard Wire, with Nut, Wt 2 ozs	.30	.25	.25	.25	.25	.25	.25
No. R45—Front Mud Guard Stay, Weight 1 oz	.15	.10	.10	.10	.10	.10	.10
No. R46—Front Mud Guard Braces, Weight 1 oz	..	..	..	..	1 00	1 00	1 00
No. R48—Chain Guard, Weight 12 ozs	..	..	..	..	.75	.75	.75
No. R47—Chain Guard Braces, Weight 4 ozs	..	..	..	..	.10	.10	.10
No. R48—Chain Guard Bolts, Wt 2 ozs	..	..	..	..	..	..	..

*SHAPLEIGH SPECIAL WONDER AND CYCO PARTS

MODEL	Shapleigh Special			Wonder	Wonder	Cyco
	400	306 305	303	615		
Nos.	FRAME AND HEAD GROUP					
1	Frame, Less all Parts, Weight 7 lbs., Specify Color and Size	$14 50	$12 50	$14 00	$18 00	$12 50
10	Frame Bolt, for Binding Seat Post Weight 6 oz	10	10	10	10	10
11	Frame Seat Post Weight 1 oz	30	25	25	25	25
12	Chain Adjusters, Weight 1 oz	15	15	15	15	15
13	Front Fork, Weight 2 lbs., Specify Color and Size Frame	4 00	3 00	3 00	3 00	3 00
14	Lower Head Cone to Crown, Weight 1 oz	30	25	25	25	25
15	Upper Head Cone to Crown, Weight 1 oz	30	25	25	25	25
15A	Lower Head Cup, Weight 1 oz	30	25	25	25	25
15B	Upper Head Ball Cup, Weight 1 oz	30	25	25	25	25
17	Head Lock Nut, Weight 1 oz	25	25	25	25	25
18	Head Lock Nut Washer, Weight 1 oz	10	10	10	10	10
19	Head Ball Retainer, Without Balls, Weight 1 oz	15	15	15	15	15
20	Set Complete with Cups	60	60	60	60	60
	CRANK HANGER GROUP					
2	Crank Only, Weight 1 lb	2 00	2 00	2 00	2 00	2 00
3	Sprocket Only, Specify Number Teeth	1 50	1 50	1 50	1 50	1 50
4	Hanger Ball Cup, Weight 4 oz	30	30	30	30	30
5	Hanger Ball Retainer, Without Balls, Weight 1 oz	10	10	10	10	10
6	Hanger Shell with Cone, Weight 3 oz	30	30	30	30	30
7	Hanger Adjusting Cone, Weight 3 oz	30	30	30	30	30
8	Hanger Lock Nut, Weight 2 oz	25	25	25	25	25
9	Hanger Lock Nut Washer, Weight 1 oz	10	10	10	10	10
	REAR WHEEL GROUP					
26	Rear Wheel Less Tire Complete, Weight 3 lbs	3 00	3 00	3 00	3 00	3 00
26½	Same as No. 26 Except with Coaster Brake Wheel	5 50	5 50	5 50	5 50	5 50
26¾	Same as No. 26 Except with Flywheel, Weight 4½ lbs	3 30	3 30	3 30	3 30	3 30
26¾	Same as No. 26¾ except with Coaster Brake Weight 5½ lbs	6 75	6 75	6 75	6 75	6 75
	When Ordering Wheels Give Color and Size					
21	Rear Wheel Rim Only, Weight 1 lb 8 oz	90	90	90	90	90
22	Rear Wheel Axle Only	20	20	20	20	20
23	Rear Axle Nut	15	15	15	15	15
24	Rear Axle Washer	10	10	10	10	10
25	Rear Axle Adjusting Cone Complete	15	15	15	15	15
26	Rear Cone Shell, Weight 8 oz	2 00	1 90	1 90	1 90	1 90
27	Rear Sprocket Wheel Only, Specify Number Teeth	50	50	50	50	50
28	Rear Sprocket Lock Nut, Weight 1 oz	10	10	10	10	10
29	Rear Wheel Rim Only, 2 Tire, Weight 1½ lbs	1 40	1 40	1 40	1 40	1 40
	FRONT WHEEL GROUP					
31	Front Wheel Less Tire Complete, Weight 2½ lbs	3 00	3 00	3 00	3 00	3 00
32	Front Wheel Less Tire Only, Weight 2 lbs	2 50	2 50	2 50	2 50	2 50
	When Ordering Wheels Give Color and Size					
32	Front Wheel Rim Only	1 50	1 50	1 50	1 00	1 00
33	Front Wheel Ball Cup, Weight 1 oz	20	20	20	20	20
33	Front Wheel Cone, Weight 1 oz	25	25	25	25	25
34	Front Axle, Weight 1 oz	15	15	15	15	15
35	Front Axle Nut, Weight 1 oz	10	10	10	10	10
36	Front Axle Washer, Weight 1 oz	10	10	10	10	10
38	Front Wood Rim for 2 Enameled Iron Tire, Weight 1½ lbs	1 10	1 10	1 10	1 10	1 10
38½	Front Wood Rim for 2 in 1 Tire, Weight 1½ lbs	1 40	1 40	1 40	1 40	1 40
	When Ordering Rims Give Color and Size					
39	Front Wheel Ball Retainer, without Balls, Weight 1 oz	10	10	10	10	10
	MUD AND CHAIN GUARD GROUPS					
	When Ordering Guards Give Color and Size of Wheels					
40	Rear Mud Guard, Weight 1 lb	1 30	1 30	1 50	1 30	1 30
41	Rear Mud Guard Wire, with Nuts, Weight 4 ozs	20	20	20	20	20
42	Rear Mud Guard Stay, Weight 1 oz	10	10	10	10	10
43	Front Mud Guard, Weight 1 lb	1 10	1 10	1 10	1 10	1 10
44	Front Mud Guard Wire, with Nuts, Weight 2 ozs	30	30	30	30	30
45	Front Mud Guard Stay, Weight 1 oz	10	10	10	10	10
46	Chain Guard, Weight 12 ozs	..	..	1 50	..	..
47	Chain Guard Braces, Weight 4 ozs	..	..	20	..	..
48	Chain Guard Bolts, Weight 2 ozs	..	..	10	..	..

"DIAMOND EDGE IS A QUALITY PLEDGE"

EXCLUSIVE FEATURES OF RUGBY BICYCLES

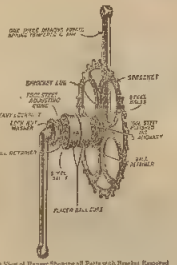
DESIGN "ORIGINATED BY US"

Our Three-Piece Hanger Assembled in Bracket

The Best Bicycles have One-Piece Hangers—as adopted this Feature on Rugby. Wherein as Soon as we found the Strongest and Most Simple Design on Safe Rugby Quality.

The One-Piece Hanger is so Far Ahead of the Old Style Two-Piece Hanger that there Is No Comparison.

There Is No Side Play or Wear—No Continuous Adjustments Required, No Threads on the Cups—Just Press Into Bracket—Nothing Simpler—Nothing Stronger—Nothing More Secure.



Sectional View of Hanger Showing all Parts with Bracket Removed

Note the Compactness of the One Piece Rugby Hanger when Assembled in the Frame—Note how it fits in the Mast and Chain Stays—Note how the Bearings are enabled to run in Dust-proof Oil-tight Chambers—Note how Simple it is to Adjust Bearings—Note how Simple and how Strongly Chain is Adjusted—Note the Simple Rugby Method.

This Illustrates the Extreme Simplicity of our One-Piece Hanger. Note the Few Number of Parts, also the Sturdiness of Construction. Cranks and Crank Shaft in One Coincidental Piece of Best Quality Spring Temper Chrome Vanadium Hardened and Ground. Cuvelble Steel Cups and Cones Size 9/16 inches.

FRONT HUB

REAR HUB

Our Unique Arrangement of the Locknut and Taper Bearing Cone enables all parts to come Hub. The Left Hand Cone is Screwed Tight Against the Ball Retainer and Locknut Against the Cone. Thus Locking the Cone and Ball Retainer Together. The Right Hand Cone is Screwed Tight Against the Ball Retainer and Locknut Against the Cone. Thus Locking the Cone and Ball Retainer Together. The Right Hand Cone is Screwed Tight Against the Ball Retainer and Locknut Against the Cone. Thus Locking the Cone and Ball Retainer Together.

Sizes of Frames

In ordering Rugby Bicycles, it is necessary to state the Size of Frame desired. Frames are made in Even Inches only, from 20 to 24 inches, measured from the Bottom Bracket to the Top of the Seat Post Lug. Frames are also made to measure.

EXTENS ON HANDLE BAR STEM

How to Measure a Bicycle Frame

To Determine the Size of Frame, Measure from the Top of Seat Post Mast to the Center of Hanger Bracket.

Bicycle Tubing is Always Measured on the Outside and Not on the Inside, like Gas Pipe.

SEAT POST

Sizes of Rims

A Rim known as 28 inch Motsinger Motsinger 25 inches and so each size is known by Rims are used in Each Size Frame. The Tire Diameter varies. The same principle holds good with all other sizes of Rims.

Heavy Steel Pedals. The "Never-Slip" Lug Always Maintains the Desired Height of the Saddle. No Reasonable Weight or Vibration Caused by Riding Over Rough Roads will Loosen it. When Tightened it Stays Tight.

Best Quality Throughout. "Never-Slip" Lugs Guaranteeing Absolute Security

EXCLUSIVE FEATURES OF RUGBY BICYCLES

DESIGN "ORIGINATED BY US"

FRAME REINFORCEMENTS

All Frame Reinforcements are Extra Long and Well Brazed. The Joints are Carefully and Smugly Filled Before Brazing, thereby Insuring a Smooth, Tight, Joint. All Joints are True so that there will be no Undue Strain on Any One Part and to Prevent Any Weakness of Same.

ENAMEL

Four Coats Baked on and Hand Rubbed. We Use the Best Quality Long Wearing Durable Enamel, Will Not Check or Chip.

HEAD FITTINGS

These Fittings are Made of the Best Quality Material Throughout. The Cups Especially are Made from Solid Cones. Note the Grooves as here where the Most Wear and Wear Comes.

FORK

This Illustration Shows the Different Parts of a Single Crown Fork. This Style Fork is More Commonly Used, but to keep pace with Improvements we have made in other sizes of Bicycle we now Equip our Rugby Nos. 370R, 376R and 378 with Triple Crown Forks making the Strongest Construction ever brought out on a Bicycle. Fork Sides are Reinforced with a Rib—this Rib is now Brazed or Soldered on, but as Part of the Fork Side and a Drawn Out so as to give Extra Strength to the Fork.

SEAT POST MAST AND STAYS

Note the Neatness of the Finished Flush Joint. A Construction Above this way. We don't use the Unsightly Lugs with a Flush Joint and Brazing Only the Head and Seat Lug Metal. The Tubes is Filled Out to Fit Head, the Seat Post and Connections. Inner Reinforcements Brazed to Prevent Any Chafing.

HANGER BRACKET CLUSTER

We Use an Extra Large Hanger Bracket Barrel, which Permits the Use of Large Cups and Balls. This is Good Mechanical Practice as it Reduces Friction to a Minimum.

SEAT POST CLUSTER

All Frame Joints, Taper Fitted and Well Brazed. Best Quality Material Used so as to Give a Rigid Frame Connection.

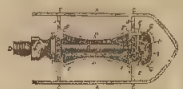
Our Rear Forks are of Oval Tubing. Experience has taught us that this is the best shape to Use in Rear Forks. It is Extremely Strong and Rigid, and presents a Clean, Finished Appearance.

How to Determine Leg Measurement or How to Select a Bicycle with Correct Size Frame for Any Rider

Distance from Top of Saddle to Pedals, Correct Point

20 inch Frame, Seat Lug 19 inches
22 inch Frame, Seat Lug 21 inches
24 inch Frame, Seat Lug 23 inches

Seat to Top of Saddle 3½ inches



Cut-out View of Seat Trap Head

A—Outside Frame
B—Barrel
C—Frame Brace
D—Pin or Axle
E—Cone
F—Ball Retainer and Ball
G—Lock Nut Washer
H—Lock Nut
I—Dust Cap
J—Ball Cups

Don't overlook our Nos. 809FGC and 809FHC Rugby Bicycles with Spring Front Fork. These Wheels are the Last Word" in Bicycle Construction.

Made to Ride Easy and Stand Hard Wear. See Our Spring Fork Features elsewhere.

"DIAMOND EDGE IS A QUALITY PLEDGE"

HORNS, WHISTLES, PISTOLS AND BELLS.

MOTORCYCLE HORNS.

Samson Electric.

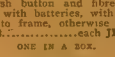
No. 229, Complete with Battery Case and Batteries.

No. 228—Brass, heavily nickel plated, extremely simple in construction, consisting of a heavy vibrator, with two substantial coils, diaphragm and striking rod, all adjustments locked, metal outside case waterproof, neat and substantial, can be operated with two or three dry cells I complete with push button, cord and bracket for attaching to handle bar, as shown in illustration, w't 2 lbs., each .....DEJ $7.50

No. 229—Horn complete with brackets, push button and fibre battery holder, with batteries, with clips to attach to frame, otherwise same as No. 228.....each JFJJ $10.00

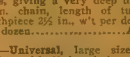
ONE IN A BOX.

WHISTLES.

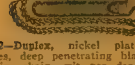


No. 12—Universal, nickel plated, two tubes, giving a very deep tone, with 10 in. chain, length of tubes and mouthpiece 2½ in., w't per doz. ½ lb., per dozen.....ABJ $3.00

No. 11—Universal, large size, length 3½ in., with 11 in. chain, otherwise same as No. 12, w't per doz. ¾ lb., per dozen.....BJE $3.40



No. 72—Duplex, nickel plated, two tubes, deep penetrating blast, with 10 in. chain, w't per doz. ⅞ lb., per dozen.....ABJ $3.00

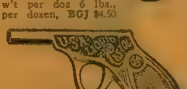


No. 16—Echo, nickel plated bowl and mouthpiece, with ring to fasten on chain, w't per doz. ½ lb., per dozen.....AEJ $1.50

ONE DOZEN IN A BOX.

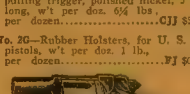
LIQUID PISTOLS.

No. 5G—Sokum, white metal, nickeled, recharges and fires by pressure on the bulb, w't per doz 6 lbs., per dozen, BGJ $4.50



No. 1G—U. S. A., fires over 20 shots in one loading, fires and recharges by pulling trigger, polished nickel, 5 in. long, w't per doz. 6¾ lbs., per dozen.....CJJ $5.00

No. 2G—Rubber Holsters, for U. S. A. pistols, w't per doz. 1 lb., per dozen.....FJ $0.95



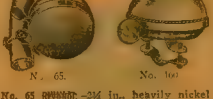
No. 3G—Wizard, fires over 20 shots with one loading, polished nickeled metal, 5¼ in. long, w't per doz. 7 lbs.....per dozen CJJ $5.00

ONE IN A BOX; ONE DOZEN IN A CARTON.

Extra Bulbs.

Extra bulbs for 1G and 3G, per dozen.....ABJ $2.00

BELLS.



No. 65. No. 160

No. 65—2¾ in., heavily nickel plated and polished, *bell metal gong,* continuous ringing chime, rotary electric alarm; alarm continues during forward and backward action of the lever, w't per doz. 6½ lbs., per dozen .....DEJ $7.50

No. 160—2¾ in. bell, nickel plated with bevel and rope beading, bell metal gong, rich clear tone, rotary electric mechanism operated by lever, w't per doz. 6½ lbs., per dozen .....CDJ $3.70

ONE DOZEN IN A BOX.

No. 70—2¼ in., nickel plated and polished, wrought metal gong, bevel beading, push button, continuous alarm, w't per doz., 6½ lbs., per dozen .....CDJ $3.70

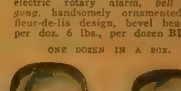
ONE DOZEN IN A BOX.

No. 45 No. 140.

No. 45—2¼ in., fancy top, nickel plated, two wrought gongs of different tone, producing a loud alarm, w't per doz. 4½ lbs., per dozen .....BAJ $3.50

No. 140—2 in., nickel plated electric rotary alarm, *bell metal gong,* handsomely ornamented with fleur-de-lis design, bevel head, w't per doz. 6 lbs., per dozen BIJ $4.80

ONE DOZEN IN A BOX.



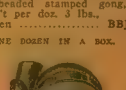
No. 125. No. 25.

No. 125—2 in., nickel plated and polished, rotary electric alarm, bevel beaded *bell metal gong,* w't per doz. 2½ lbs., per doz. ACJ $2.20

No. 135—2¼ in., otherwise same as No. 125, w't per doz. 3¼ lbs., per dozen .....ADE $2.40

No. 25—1¾ in., nickel plated and polished, rotary electric alarm, bevel beaded stamped gong, loud tone, w't per doz. 3 lbs., per dozen .....BBJ $3.70

ONE DOZEN IN A BOX.



No. 175—Scorcher, 2¼ in., nickel plated rotary alarm, bell metal gong, w't per doz. 6½ lbs., per dozen .....JFCJ $10.50

ONE IN A BOX.

BICYCLE BELLS AND ALARMS.

CHIME ASSORTMENTS.

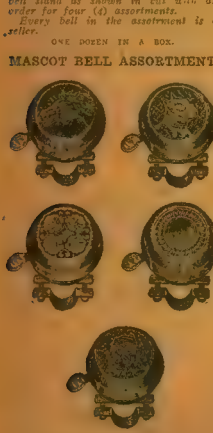
No. 2—Consisting of 12 bells, ten different designs, including three multiple stroke chime bells, a large double stroke bell, the popular flag bell in both the push button and the rotary type, and several other first-class designs, all bells are new 1914 stock with improved mechanism, w't per doz. 5½ lbs., per assortment . . . . . **CFJ $6.00**

We will include with this a bell stand as shown in cut with an order for four (4) assortments.

Every bell in the assortment is a seller.

ONE DOZEN IN A BOX.

MASCOT BELL ASSORTMENT.



No. 3—Each dozen made up of three each Horse and Bulldog design, two each Greyhound Scroll and Pushbutton bells, all per asst., 5 lbs., per doz. . . . . **BDJ $4.00**

ONE DOZEN IN A CONTAINER.

BELLS.

High Grade Multiple Tone Chime, Bell Metal Gongs.

No. 30CG—Diam. 3 in., w't per doz. 8 lbs. ..... per dozen **AFJJ $26.70**

No. 34CG—Diam. 2¾ in., w't per doz. 7½ lbs. .....per dozen **AJBJ $17.00**

No. 35CG—Diam. 2¼ in., w't per doz. 7 lbs. .....per dozen **JHAJ $13.50**

The hammer strikes the gong many times at one stroke of the lever producing a loud alarm in chime effect.

No. 30CG is particularly adapted for motorcycles.

ONE IN A BOX.

BRONKO BELLS.

No. 185—Bronko, 3 in., nickel plated and polished bell metal gong, rotary electric alarm, operated by a lever, fastened to handle bar by lock clamp, w't per doz. 8 lbs., per dozen . . . . . **JGBJ $12.00**

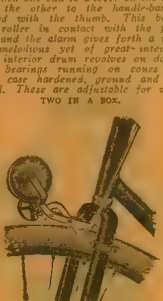
ONE IN A BOX.

SIREN ALARMS.

No. 53—High grade stamped steel frame, highly polished, outer drums of polished brass, nickel plated, ball bearing shaft with heavy fibre roller which runs on tire, being practically indestructible, chain attachment, screen pressed in, all parts interchangeable, w't per doz. 15 lbs., per dozen ..... **JGBJ $12.00**

A Siren will clear the road farther ahead and clear it more quickly than any other alarm made. A heavy chain attached one end to a lever on the siren and the other to the handle-bar, is pulled with the thumb. This brings the roller in contact with the front tire and the alarm gives forth a whistle melodious yet of great intensity. The interior drum revolves on double ball bearings running on cones and cups case hardened, ground and polished. These are adjustable for wear.

TWO IN A BOX.



No. 54—Sandow Siren tire bell, nickel plated steel, attached to front fork of bicycle, operated by a cord fastened to the handle bars, by pulling cord the fly wheel is brought in touch with the tire causing interior drum of bell to revolve, giving a loud penetrating alarm, w't per doz. 15 lbs.,.....per dozen **DEJ $7.50**

No. 50—Pirate Tire Chimes, an alarm similar to **No. 54,** except smaller, fly wheel is brought into contact with the front tire, causing the small wheel to revolve rapidly, this revolution throws small hammers against the two sides of the gong, which are attuned to different pitches, the result is a very pleasing chime, and loud enough to be heard a block away, w't per doz. 9 lbs., per dozen . . . . . **CCE $6.20**

ONE DOZEN IN A BOX.

SCREW PLATES

Per Set

No. T61 Cuts 1-20, ⅜-18, ⅝-16, ¾-14 ... 12 inches ... No. 4 Hercules tap wrench, weight about 13 pounds, complete in case ... $12 00

No. T65 Cuts ...20, ⅜-18, ...16, ...14, ...12, ⅝-11 ... 10 inches ... No. 5 Hercules tap wrench, weight about 22 pounds, in case ... 17 50

No. T67 Cuts ¼-20, ⅜-18, ⅜-16, ⅜-14, ½-12, ⅝-11, ¾-10, ⅞-9, 1-8, set including two tap wrenches, weight about 40 pounds, in case ... 29.00

Set No. 40 Double Set 11 sizes.

Per Set

Stock 14 inches long for the first four sizes and 27 inches long stock for larger sizes. Contains 11 sizes taps and dies. Cutting ...20, ⅜-18, ...16 to ⅝-14, ½-12, ⅝-11, ¾-10, ⅞-9, 1-8, 1⅛-7, 1¼-7, dies 1⅛ inches diameter by ⅛ inch thick, for first four sizes and 2½ inches diameter by ⅜ inch thick for larger sizes, weight about 50 pounds, price complete in case ... $38 00

No. 1124 ¼ to ¾ inch, 5 sizes, weight about 12 pounds, in case, per set ... $11 25

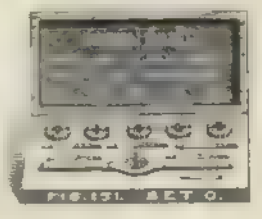
Stock 22 inches long. Adjustable Tap Wrench No. 58. Taper Taps, Dies and Guides cutting ¼-20, ⅜-16, ½-12, ⅝-11, ¾-10.

No. 1112 ¼ to 1 inch, 9 sizes, weight about 28 pounds, in case, per set ... $24 00

Stock 29 inches long. Adjustable Tap Wrench No. 58. Taper Taps, Dies and Guides cutting ¼-20, ⅜-18, ⅜-16, ½-14, ½-12, ⅝-11, ¾-10, ⅞-9, 1-8.

No. 115 ¼ to 1¼ inches, 11 sizes, in case, weight about 33 pounds ... per set, $34 00

Stock 35 inches long. Taper taps, dies and guides cutting ¼-20, ⅜-18, ⅜-16, ½-14, ½-12, ⅝-11, ¾-10, ⅞-9, 1 inch-8, 1⅛-7, 1¼-7. Diameter of dies in this set 2½ inches.

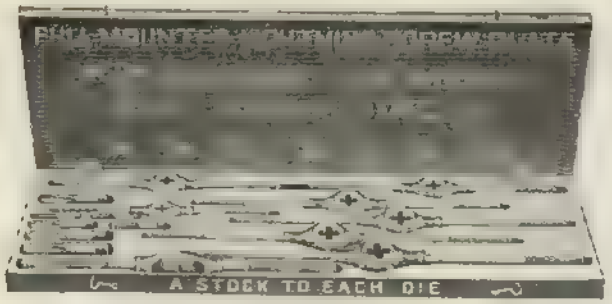


Adjustable Dies, ⅞ Inch Diameter, Case Hardened Guides

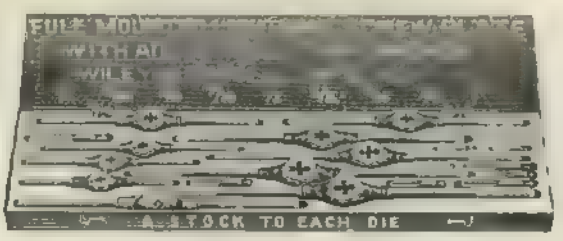
No. 150 With stock, tap wrench (fitting in stock) and 5 sizes taps, dies and guides, ⅛, ¼, ⅜, ½, inch, V standard thread, weight about 12 pounds, complete in case, per set ... $5 50

No. 151 With stock, tap wrench (fitting in stock) and 5 sizes taps, dies and guides, screw groove sizes 4, 6, 8, 10, 12, weight about 12 pound complete in case, per set, $5 50

SCREW PLATES



No. 1223 ¼ to ¾ inch, 7 sizes, in case, per set.....$17.00
A stock to each die. Adjustable Tap Wrench No. 53 Taper Taps, Dies and Stocks cutting ¼-20, 5/16-18, ⅜-16, 7/16-14, ½-12, 9/16-11, ¾-10, weight about 27 pounds.



No. 1229 ¼ to 1 inch, 9 sizes, in case, per set.....$27.50
A stock to each die. Adjustable Tap Wrench No. 58, Taper Taps, Dies and Stocks cutting ¼-20, 5/16-18, ⅜-16, 7/16-14, ½-12, 9/16-11, ¾-10, 7/8-9, 1-8, weight about 43 pounds.

No. 234 ¾ to 1¼ inches, 11 sizes, in case, per set.....$41.00
A stock to each die. Taper Taps, Dies and Stocks cutting ¾-20, 5/16-18, ⅜-16, 7/16-14, ½-12, 9/16-11, ¾-10, 7/8-9, 1-8, 1⅛-7, 1¼-7, weight about 56 pounds.

NEW ADJUSTABLE TAP WRENCH

Nos.	57	53	58
Length inches	10½	15	20
For taps, inches	1/8 to ½	¼ to ¾	⅜ to 1
Weight each about pounds	1	2	3
Each	$2.00	2.50	3.50

LIGHTNING ADJUSTABLE TAP WRENCH

No. 329 Holding taps Nos. 2 to 14, and 5/16 to ¼ inch, weight per dozen about 2 pounds, each.....$0.50
No. 333 Holding taps Nos. 14 to 24, and ⅜ to ½ inch weight per dozen about 5½ pounds, each.....1.00

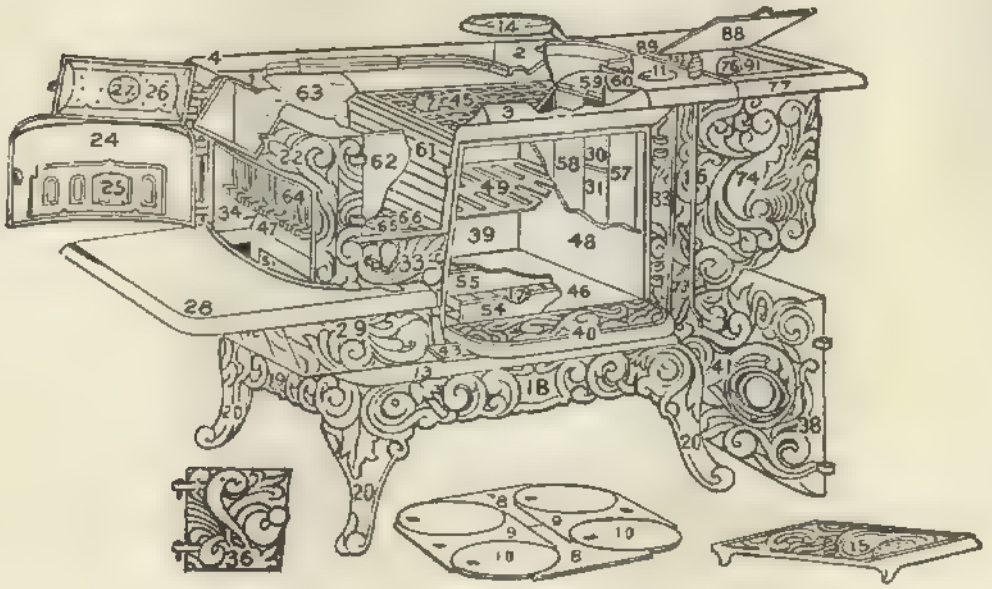
LIGHTNING BURRING REAMER

Size at point 7/16 inch, size at large end 1¼ inch, length of flute 1⅞ inch, will burr ⅜ to 1 inch.
No. 544 Bit brace shank, weight per dozen about 4 pounds, per dozen.....$14.00

BLACKSMITHS' STOCKS AND DIES

No. 15 Cuts 1¼ inch to ½ inch, right hand, 8, 10 and 12 threads to inch, 5 taps and 3 sets of dies, weight about 15 pounds..each, $10.00
No. 21 {Cuts 1 inch to ½ inch, right hand, 9 and 12 threads to inch / Cuts 1 inch to ¾ inch, left hand, 9 and 12 threads to inch / 4 taps and 3 sets of dies, weight about 9½ pounds.....each 6.00
No. 23 Cuts 1 inch to ⅜ inch, right hand, 9, 10 and 14 threads to inch, 3 taps and 3 sets of dies, weight about 8¼ pounds..each 5.00
No. 34 Cuts ¾ inch to 7/8 inch, right hand, 10, 12 and 16 threads to inch, 3 taps and 3 sets of dies, weight about 5 pounds..each 4.50
No. 41 Cuts ½ inch to ⅝ inch, right hand, 16, 20 and 26 threads to inch, 6 taps and 3 sets of dies, weight about 2½ pounds..each, 3.25
No. 53 Cuts ⅜ inch to 7/16 inch, right hand, 16, 20, 24 and 32 threads to inch, 4 taps and 4 sets of dies, weight about 1 pound.....each, 2.75

SECTIONAL CUT OF COOKING STOVE



When ordering stove repairs take position facing hearth. First give FULL NAME AND NUMBER, also state if stove has RESERVOIR OR WITHOUT and whether for COAL OR WOOD. Give NAME as well as number of pieces as per list below (we will not ship by number only).

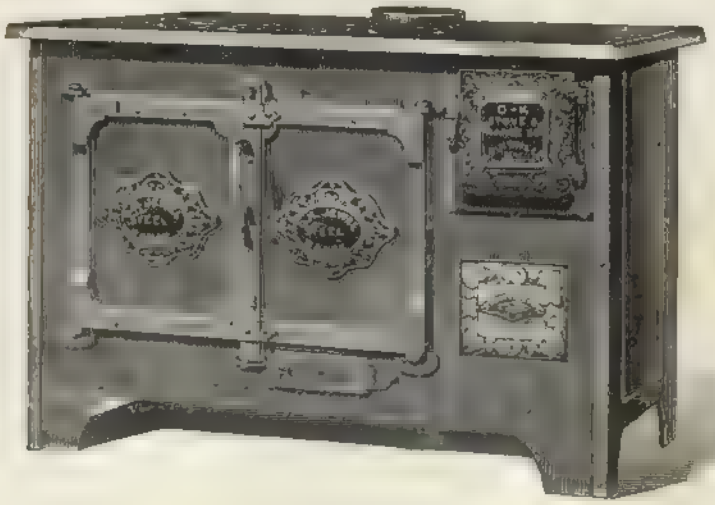
No
1 Front Top
2 Collar Top. (Specify whether has stove reservoir or without.)
3 Right Top.
4 Left Top.
7 Center Rest.
8 Long Cut Center
9 Short Center
10 Covers
11 Flue Cover
13 Main Bottom
14 Tea Pot Stay
15 Back Shelf
16 Towel Rod.
18 Long Base Strip
19 Short Base Strip
21 Legs (Specify whether used with base or without.
22 Main Front. (Specify upper or lower.)
24 Front Swing Door
25 Front Door Slide
26 Front Pouch Door Slide.
27 Front Pouch Door Complete
28 Hearth Slide

No
29 Wing Bottom.
30 Upper Back.
31 Lower Back
*30-1 Main Back (when in one piece).
33 Right Side.
34 Left Side.
36 Feed Door (Specify right or left).
38 Oven Door, Right
39 Oven Door, Left
40 Oven Door, Shelf.
41 Oven Door Panel.
43 Oven Door Kicker (specify right or left).
45 Oven Top Plate
46 Oven Bottom Plate
47 Oven Front Plate
48 Oven Back Plate.
49 Oven Rack.
51 Clean Out Door
54 Right Bottom Flue Strip
55 Left Bottom Flue Strip
57 Right Back Flue Strip
58 Left Back Flue Strip

No
59 Direct Draft Damper
60 Direct Draft Damper Handle (This is sometimes on the right side under right back corner of stove.)
61 Fire Back
62 Right End Lining.
63 Left End Lining.
64 Front Lining or Grate
65 Bottom Grate Complete (specify flat or duplex)
66 Grate Rest
73 Reservoir Bottom Casing
74 Reservoir Right End Casing.
75 Reservoir Left End Casing
76 Reservoir Back Casing
77 Reservoir Top Frame
*78 Reservoir Damper Frame (located just below No. 31)
*79 Reservoir Damper Complete (see handle just below No. 16)
88 Front Reservoir Cover.
89 Back Reservoir Cover
91 Reservoir Tank.

*Not shown

O. K. JEWEL WROUGHT STEEL RANGE



For Coal or Wood

Heavy, substantial, strongly built and specially made to stand hard wear and rough usage either in the house, camp, wagon or rail. It is just the thing for construction camps, plantations, building crews, ranches, or anywhere that a plain good and extra double range is wanted. Has very large fire box, heavy grate bars, heavy key plates and lids; or can be furnished with French top with one [illegible] Bottom is also [illegible]

For coal and for that [illegible] and cannot be surpassed [illegible] it will cost over other makes in durability alone.

Number	With Cast Linings	With Water Box	Size Oven Inches	Size Top	Cooking Surface Inches	Height	Weight Pounds
8-25	$92.00	$100.00	25 x 25	Six 8-inch holes	34 x 45	20 inches	520
9-25	92.00	100.00	25 x 25	Six 9-inch holes	34 x 45	20 inches	520

KNOXALL STEEL RANGE

Knoxall, with Reservoir and High Closet

WITH GALVANIZED RESERVOIR, HIGH CLOSET AND TOWEL BAR

For Coal or Wood

[illegible]ply is made of polished blue steel. All rivets are driven cold, [illegible] which insures an air-tight construction. Bottom edge [illegible] range is reinforced by wrought steel band. Oven is made of wrought steel with cast anchor plate securely bolted to oven bottom, which prevents warping. Drop oven door, balanced by steel spring.

Top is made into four sections to allow for expansion and contraction. Panel plates furnished. Equipped with heavy cover [illegible] Fire box is large and well ventilated. Reversible duplex grates. When grates are reversed they form a perfect bottom for the burning of wood. Wood feed door is full width of fire box. Back [illegible] with cast shoe at bottom. High [illegible] polished blue steel.

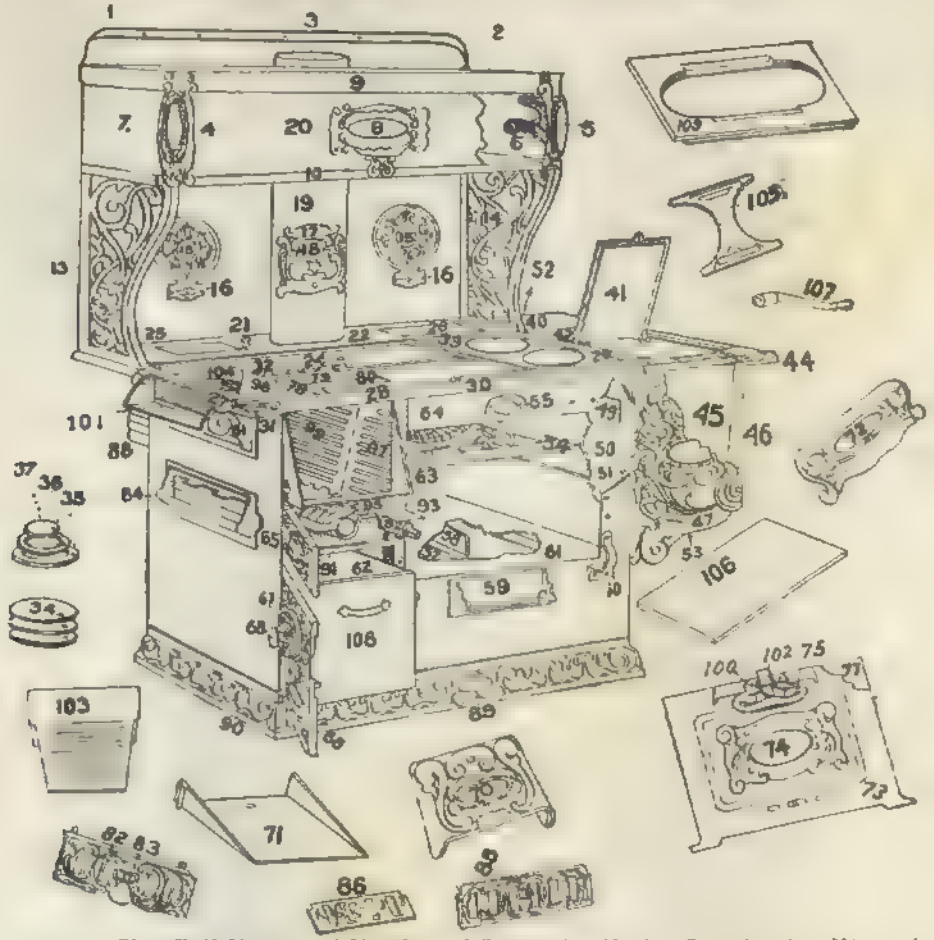
Nickeled Parts: As are shown in cut

Number	Size Oven Inches	Size of Top Inches	Number and Size of Holes	Weight Pounds	Each
8-14R	14 x 18 x 10½	26 x 37	4 x 8	285	$38.00
8-18R	18 x 18 x 10½	26 x 41	6 x 8	300	42.00

No. 8-14 is same range without reservoir, weight 265 pounds, each $34.00

No. 8-18 is same range without reservoir, weight 275 pounds, each 38.00

SECTIONAL CUT OF RANGES



Always Give Full Name and Number of Range for Which Repairs Are Wanted

No
- Back Guard Corner
- Right Back Guard Corner
- Back Guard for High Closet, complete
- Closet Corner, Left
- Closet Corner, Right
- Closet Hinge, Left
- Closet Hinge, Right
- Closet Handle and Panel
- Closet Top Front Nickel Band
- Closet Bottom Front Nickel Band
- Closet Bracket, Left
- Closet Bracket, Right
- Closet Tea Pot Stand.
- Closet Tea Pot Stand Bracket.
- Closet Pipe, Damper Frame only
- Closet Pipe, Damper Complete.
- Closet Pipe, Complete (with Damper).
- Closet Door Complete.
- Direct Draft Damper Handle. (This is sometimes on right side of pipe collar)
- Direct Draft Damper Plunger. (Connecting Handle to Damper.)
- Direct Draft Damper only.
- Collar Top.
- Number Plate.
- Left End Top.
- Front Top.
- Right End Top. (Specify whether range has reservoir or without.)
- Nickel Band or Rail. (Specify whether range has reservoir or without.)
- Nickel Band Cast Corner. (Specify right or left.)
- Direct Draft Damper Frame
- Right Panel or Key Plate.
- Covers. (Specify 7, 8 or 9.)

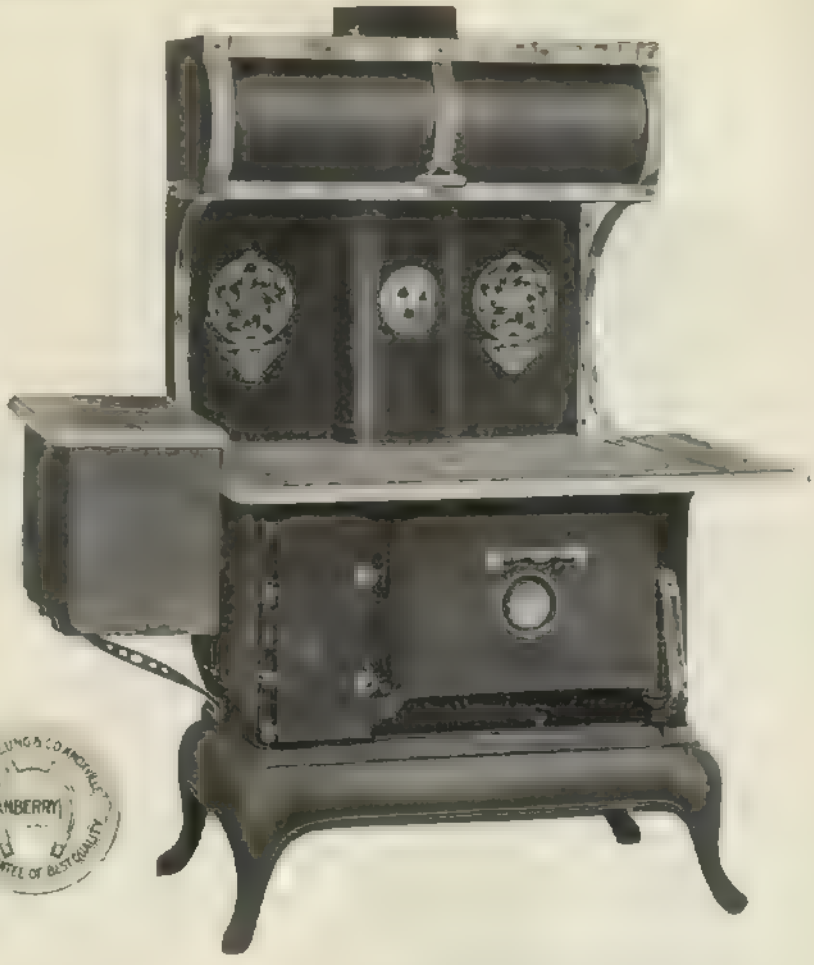
*Not shown.

No
- Sectional Covers, large (Specify 7, 8 or 9.)
- Sectional Cover, small. (Specify 7, 8 or 9.)
- Sectional Cover, center (Specify 7, 8 or 9.)
- Reservoir Tap
- Front Half Reservoir Cover.
- Back Half Reservoir Cover
- Nickel Reservoir Band (Specify)
- Reservoir Valve
- Reservoir Right Hand Casing
- Reservoir Front Casing
- Reservoir Damper Frame
- Reservoir Damper
- Reservoir Damper Handle
- Reservoir Back Casing
- *Reservoir Bottom Casing
- Oven Rack
- Oven Door Catch
- Oven Bottom Braces
- Bottom Oven Strap
- Oven Door Frame
- Right Oven Door Hinge complete with upper and lower casing and spring
- Oven Bottom
- *Oven Door Spring only
- Oven End Lining
- Main Cast Front (Specify upper or lower, and if feed or ash pit door is desired.)
- Grate Door
- Ash Pit Door
- Ash Pit Door Screw Damper.
- Nickel Ash Pit Door Screw Knob
- Drop or Swing Feed Door. (Specify which.)
- Feed Door Lining

No
- Flue Cap
- Oven Door Frame (Specify if complete)
- Oven Door Plate.
- Oven Door Handle only.
- Top Over Gu.
- Center Rest
- Oven Door Bezel
- Pouch Feed Door
- Pouch Feed Door
- Pouch Feed Door Slide shown in Cut
- Left End Draft Frame
- Left End Draft Door
- Left End Draft Door Slide
- Back Flue
- Wood Extension Pocket
- Long Base Strips
- Short Base Strips
- Duplex Grate—Short ½
- Duplex Grate—Long ½ with Shank
- Duplex Grate Frame
- *Two Cogs. (Specify right, left or both.)
- Duplex Grate Clamps (Front or back.)
- 97 Right, 98 Left, 99 Center — Back Linings (When Range has 3 piece back otherwise order fire back only.)
- Front Lining or Right Hand Lining.
- Right End Lining (State if Water back.)
- Back End Lining
- Short Center
- *Long Cut Center.
- Shaker
- Ash Pan
- Top Panel. (Specify if over fire box, center or right end.)

CRANBERRY CAST IRON RANGES

With High Closet



CRANBERRY SQUARE PATTERN

With High Closet and End Shelf, for Coal or Wood

Order by This Number	Number of Holes	Size of Ware Inches	Size of Oven Inches	Shipping Weight Pounds	Size of Pipe Inches	Each
CS48-16	6	8	16 x 18	315	7	**$45.00**
CS48-18	6	8	18 x 18	330	7	**50.00**

Water coil for either of above, extra.....**$6.50**
When wanted without high closet deduct $6 00 from list prices

CRANBERRY WITH PLANISHED COPPER RESERVOIR

With High Closet, for Coal or Wood

Order by This Number	Number of Holes	Size of Ware Inches	Size of Oven Inches	Shipping Weight Pounds	Size of Pipe Inches	Ea
CR48-16	6	8	16 x 18	350	7	**$55.00**
CR48-18	6	8	18 x 18	365	7	**60.00**

The Cranberry Cast Iron Range is built for service. Every feature that will make for durability, convenience and economy has been included in its manufacture. It is especially designed for those who want a serviceable modern Range at a low price. Selected materials put together by skilled stove builders, smooth and well made castings patterned along scientific lines, have produced a Range that for ease of operation and economy of fuel cannot be surpassed

CONSTRUCTION

There are six holes, giving a roomy space on top. The main top is in four sections to prevent breakage by expansion from the heat. The fire box is arranged for use with coal or wood. The linings are of extra heavy material. The ventilated fire back is in three pieces, giving it longer service and making repairs simple, easy and economical. Solid revolving shaker grate, easy to turn, hard to warp. Oven is roomy and of correct proportions to bake well. The door works on a coil spring, specially tempered for the purpose. A modern thermometer measures the heat in the oven, and is of great assistance and a labor and fuel saver. The high closet is well made of high grade Wellsville polished steel. The body is made of selected iron, best adapted to the purpose of stove building.

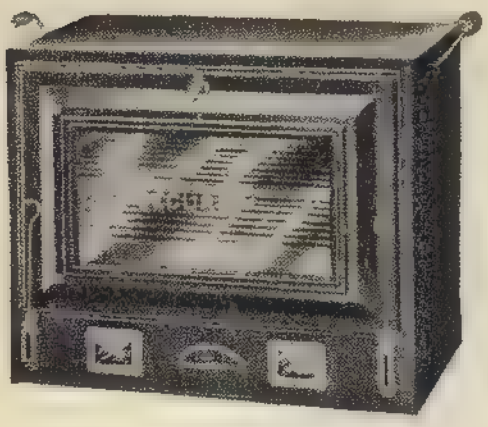
The Reservoir has cast iron lug extending direct into fire box, thus heating the water very quickly and boiling hot in the simplest manner.

This Cranberry Range is protected by our guarantee that it will draw and bake perfectly when properly connected with a good flue.

PORTABLE OVENS

For Gas, Gasoline, Alcohol and Oil Stoves.

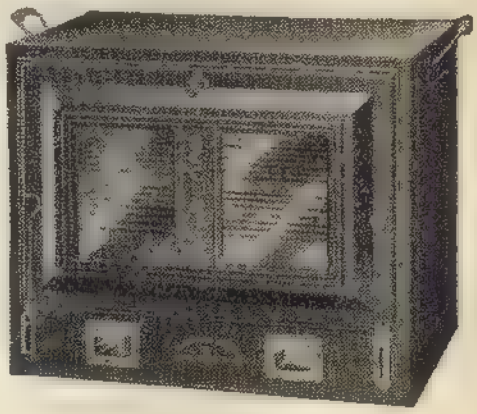
SECURITY



With Glass Drop Door.

	Each
No. 20—For Two Burners, 18 in. High, 21 in. Long, 12½ in. Deep, Polished Blue Steel, Bright Plate Lining, Protected by Asbestos, Nickeled Alaska Handles and Door Turn, Mica Windows. Weight Each 26 Lbs.	$....
No. 25—For One Burner, 18 in. High, 13 in. Long, 12½ in. Deep, Otherwise Same as No. 20. Weight Each 20 Lbs.	..

One in a Crate



Two Light, Glass Drop Door.

	Each
No. 40—Twin, For Two Burners, 18 in. High, 21 in. Long, 12½ in. Deep, Polished Blue Steel, Bright Plate Lining, Protected by Asbestos, Nickeled Alaska Handles and Door Turn, Mica Windows. Weight Each 26 Lbs.	$....

One in a Crate.

GAS STOVES

No 00

EAGLE

Cast Iron Frame and Legs, Brass Nipple.

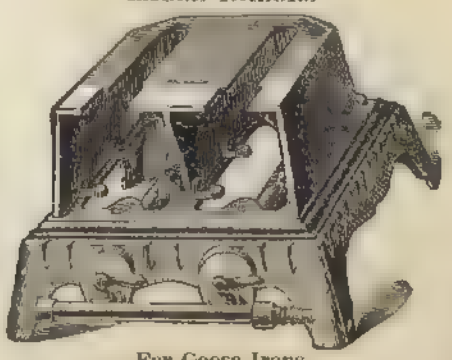
No.	00
Diameter, Inches	7½
Height, Inches	4
Weight Each, Lbs.	..
Black, Each,	$6.50
Nickel Plated, Each	....

EAGLE LAUNDRY

For A. B. C. Irons.

Nos.	2	3
For Number of Irons	2	3
Each, $	....	....

EAGLE TAILORS'

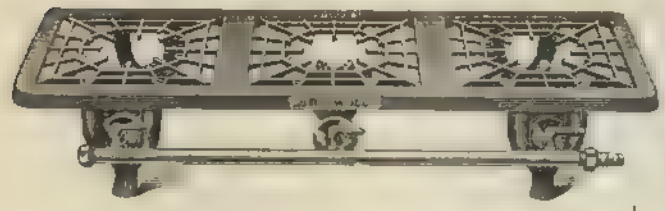


For Goose Irons.

Nos.	2T	3T
For Number of Irons	2	3
Each, $	....	....

GAS STOVES

GRISWOLD



No. 603.

Cast Iron Frame and Legs, 3½ in. Drilled or Sawed Burner, Flush Grate Top, Lever Valves.

Nos.	601	602	603
No of Burners	1	2	3
Top, Inches	10x10	10x20	10x30
Height, Inches	5	5	5
Weight Crated, Lbs.	10	18	28
Plain ....Each. $	.....	.....	.....
Nickel Plated. ....Each	.....	.....	.....

CENTURY GEM

No. 2G.

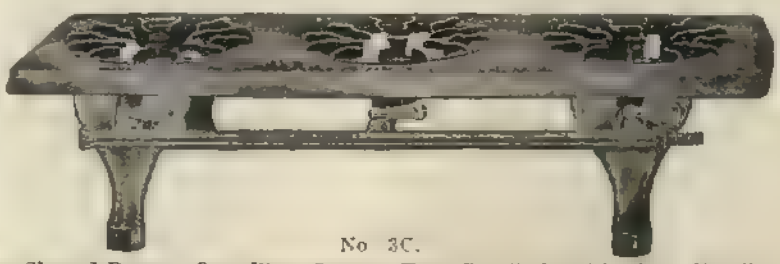
Cast Iron Frame and Legs, Flat Cap Burner, One Piece Quarter Turn Gas Cock, with China Handle.

Nos.	1G	2G	3G
No of Burners	1	2	3
Top Plate, Inches	10¼x9¾	10¼x20	10¼x29½
Height, Inches	6	6	6
Spread of Legs, Inches.	12¼x11¾	12¼x21½	13x20½
Weight Each, Lbs.	7	12	18
Black ....Each, $	.....	.....	.....
Nickel Plated....Each,	.....	.....	.....

The cap is bolted to the burner, so that a proper flame adjustment may be made. It also prevents shifting of cap, dropping off, or possible loss

CENTURY

No. 1C.



No 3C.

Cast Iron Frame and Legs,, Drilled Star Shaped Burner, One Piece Quarter Turn Gas Cock, with China Handle.

Nos.	1C	2C	3C
No. of Burners	1	2	3
Size of Top Plate, Inches	13x13	12x22½	12x32¼
Height, Inches	7	7	7
Spread of Legs, Inches	14x14	14x24¾	15x23½
Weight Each, Lbs.	10	17	23
Black ....Each, $	.....	.....	.....
Nickel Plated ....Each,	.....	.....	.....

The burner is made of one piece and the rays are so spaced that the flames do not strike against the prongs of the cooking grate, but directly against the bottom of the cooking utensil.

GAS STOVE TUBING

FLEXIBLE STEEL

Galvanized Flexible Steel, Rubber Packed.

Per Foot

No. 10 ⅜ in Inside Diameter, ⅝ in Outside Diameter, in 3, 4, 5, 6, 7, 8, 10, 12, 14, 16, 18 and 20 ft. Lengths, with Rubber Tips.....$....

ATLANTIC SPECIAL

Heavy Double Dip, Wire Center, Maroon and Black Covering.

Per Foot

No. 20 ⅜ in Inside Diameter, in 3, 4, 5, 6, 7, 8, 10, 12, 14, 16, 18 and 20 ft. Lengths, with Substantial Rubber Tips.....$....

Seth Thomas Clock Co.'s Fine Rich Gold, Brass and Novelty Clocks

CHERUBS

Rich Gold Finish. One Day, 2-inch Porcelain Dial Height, 5¾ inches

No 11469.....Each, $3.10

BONA

Rich Gold Finish One Day, 2-inch Porcelain Dial Height, 5¾ inches.

No 11470 . ..... Each, $4 70

NATTY

Rich Gold Finish. One Day, 2-inch Porcelain Dial. Height, 6⅛ inches.

No. 11471.... .....Each, $4.00

TRAVELER

Eight-Day Time Made in Red, Blue Green and Maroon Glazed Leather 2-inch Porcelain Dial Brass Sash, Beveled Glass

No 11472... ....Each, $6 70

GUARANTEED ACCURATE TIMEKEEPERS

PRIM

Eight-Day Time, 3-inch White Dial. Height, 6 inches. Rich Gold.

No. 11473.....Each, $5.35

DAINTY

Rich Gold Finish One Day, 2 inch Porcelain Dial Height, 6½ inches.

No. 11474 .. . .Each, $4.35

PETITE

Rich Gold Finish. One Day, 2-inch Porcelain Dial. Height, 3 inches.

No. 11475.....Each, $2.50

SCHOOL GIRL

Rich Gold Finish. One Day, 2-inch Porcelain Dial. Height, 5 inches.

No. 11476.....Each, $4.70

BOUQUET

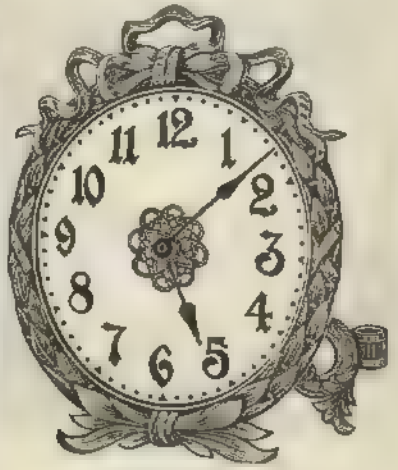
Rich Gold Finish, One Day, 2-inch Porcelain Dial. Height, 7 inches.

No. 11477...Each, $4.35

BUNGALOW

Syrian Bronze Finish. One Day, 2-inch Porcelain Dial. Height, 7¼ inches.

No. 11478...Each, $5.35



NIGHT CLOCK

Gilded Cast Metal Frame with Easel Back to Stand, or can be attached to Gas Bu ner 5-inch Opal Glass Dial. Height, 7¼ inches.

No. 11479 . . . ... Each, $6.70

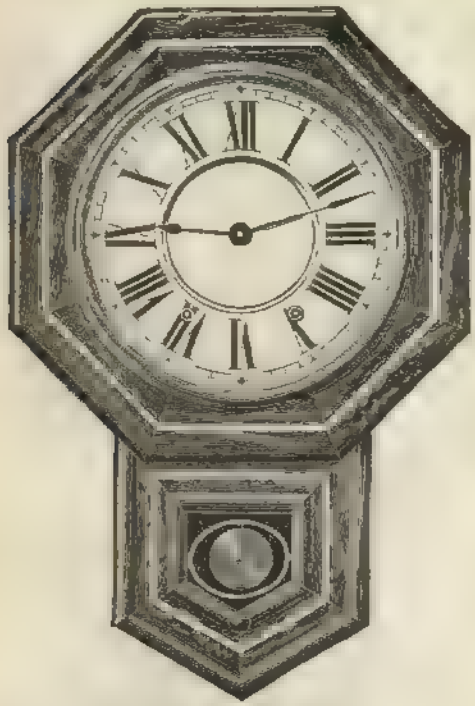
JACKET No. 2

Eight-Day Time 4-inch Porcelain Dial Brass Sash, Beveled Glass. Real Bronze Case Height, 5½ inches.

No. 11480 Real Bronze .. . Each, $6 70

No 11481. Rich Gold-Plated Each, 8.00

SETH THOMAS CLOCK CO.'S FINE OFFICE CLOCKS



8-INCH DROP OCTAGON

Mahogany Finish and Old Oak. Height, 17 inches.

No.		Each
11482	8-Day Time	$7 60
11483	8-Day Strike	8 95
11484	8-Day Time and Calendar	8 30
11485	8-Day Strike and Calendar	9 60

10-INCH DROP OCTAGON GILT

Mahogany Veneer Polished, with Gilt Lines, and Old Oak Polished without Gilt Lines. Height, 21½ inches.

No.		Each
11486.	8-Day Time	$10 30
11487.	8-Day Strike	11 10

12-INCH DROP OCTAGON

Mahogany Veneer and Old Oak, Polished. Height, 23 inches.

No.		Each.
11488.	8-Day Time	$10.80
11489.	8-Day Strike	11 60

OFFICE No. 5

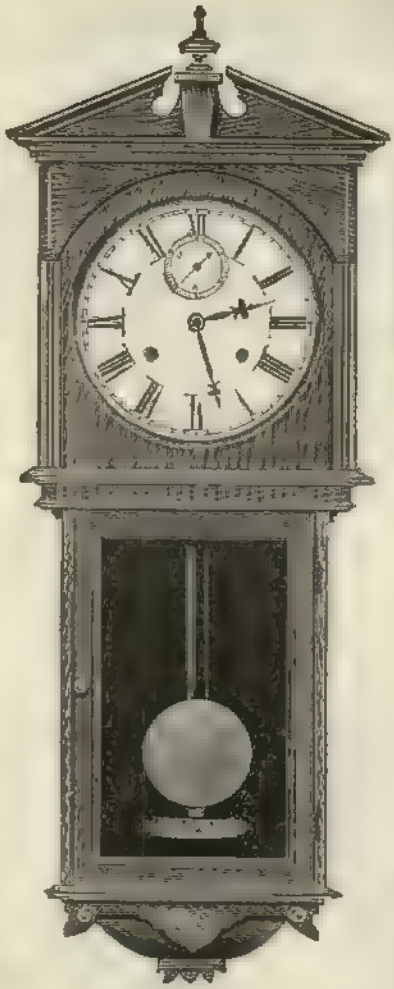
Mahogany and Old Oak. 12 inch Dial. Height, 23¼ inches.

No.		Each.
11494.	8-Day Time	$14 80
11495.	8-Day Strike	16.15

OFFICE No. 1

Mahogany and Old Oak. A new pattern. 12-inch Dial. Height, 16 inches.

No.		Each.
11496.	8-Day Time	$ 9.75
11497.	8-Day Strike	11.10



UMBRIA

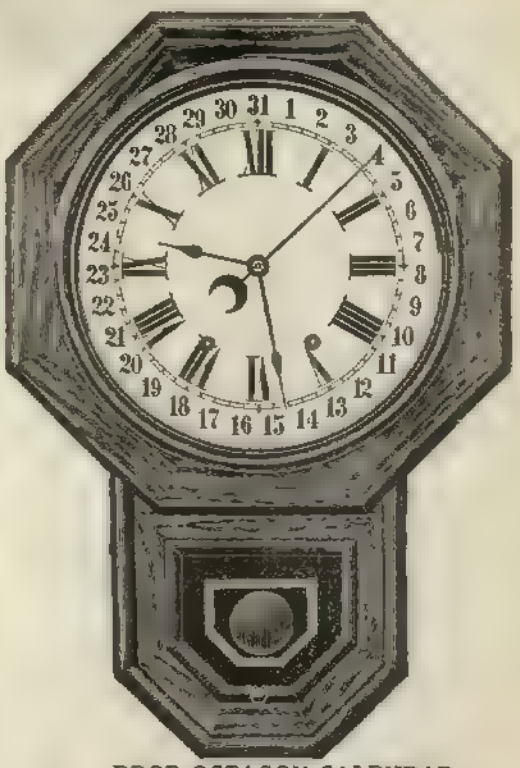
An excellent Timepiece. Made in Mahogany and Old Oak. Thirty-Day Time, large Double Spring Movement with Graham Dead-Beat Escapement. Eight-Day, Spring Strike. Cathedral Bell. 10-inch Dial. Height, 40 inches.

No.		Each
11490.	30-Day Time	$25 35
11491.	30-Day Strike	28.00

HUDSON

Thirty-Day, 14-inch Dial. Case, 18 inches square. Made in Mahogany inlaid, Mahogany plain and Old Oak plain. Will send the inlaid unless otherwise ordered.

No. 11498. . . . . Each, $28.70



DROP OCTAGON CALENDAR

Mahogany Veneer and Old Oak, Polished. 12 inch Dial. Height, 23 inches.

No.		Each
11492.	8-Day Time	$11 5
11493.	8-Day Strike	12 30

OFFICE No. 2

Mahogany Veneer, Polished. Eight-Day Spring. 12-inch Dial. Height, 26 inches.

No.		Each
11499.	8-Day Time	$11 10
11500.	8-Day Strike	12 40

OFFICE No. 3

Mahogany Veneer, Polished. Eight-Day, Spring, Strike. 10-inch Dial. Height, 21½ inches.

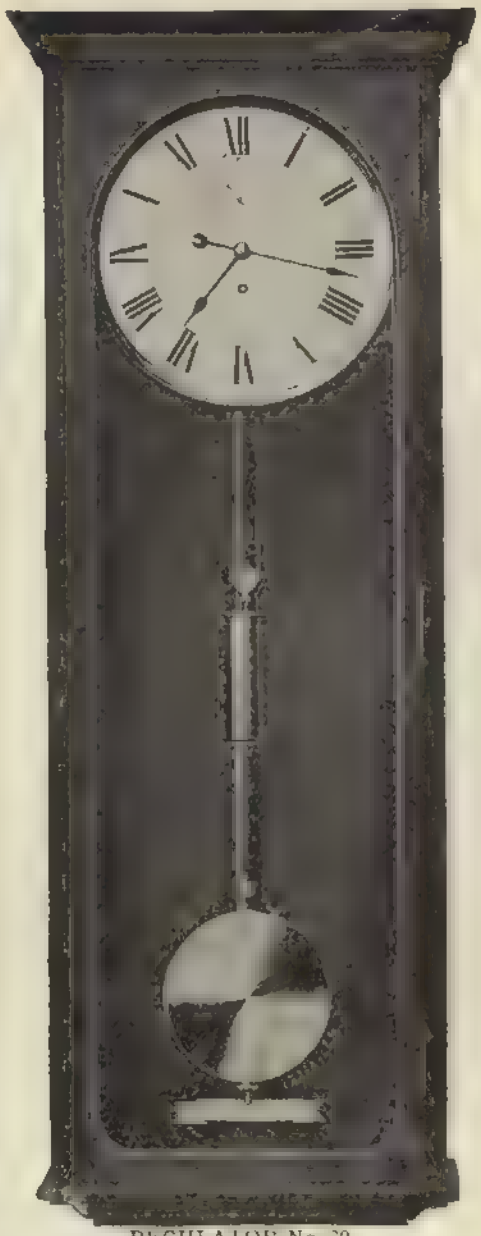
No. 11501. . . . . Each, $11.75

Seth Thomas Clock Co's Fine Regulators

REGULATOR No. 3

A standard large Dial, Short Regulator for Railroads, etc. Mahogany and Old Oak Veneer [illegible] Eight-Day Weight Time 14-inch Dial [illegible] 44 inches. Movement has polished steel cut pinions, Graham dead-beat escapement wood rod brass-covered zinc ball [illegible] beats to the minute. Has maintaining power. An excellent movement.

No. 11601 ....Each, $61.35



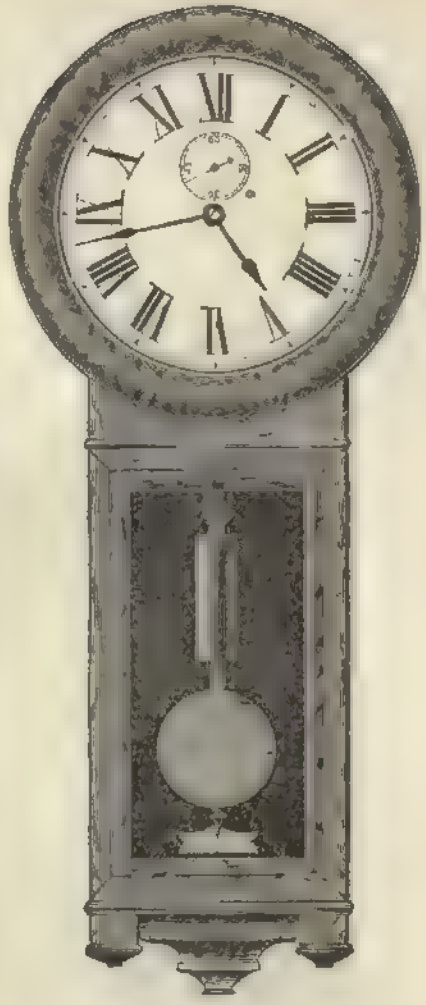
REGULATOR No. 70
Mahogany and Old Oak Eight-Day, Weight, Time
Beats Seconds
14-inch Dial. Height 56 inches.

Large movement with cut steel pinions, polished plates. Wood rod brass-covered zinc ball. Graham dead-beat escapement and maintaining power. An excellent timepiece.

No. 11600 ..... Each, $113.35

REGULATOR No. 11

Mahogany and Golden Oak. Eight-Day Weight, Time. Beats Seconds. 12-inch Dial. Height 56 inches. Large cut steel pinion movement with polished plates. Wood rod brass-covered zinc ball. Graham dead-beat escapement and maintaining power. An excellent movement. No. 11599 . Each, $100.00



REGULATOR No. 2

A standard small Regulator for Railroads, Schools, Fire Departments, Offices etc. Mahogany and Old Oak Veneer, Polished. Eight-Day, Weight, Time. 12-inch Dial. Height, 36½ inches. Movement has strong well finished plates and is escaped from jacketed pendulum is suspended from [illegible] Graham dead-beat escapement, wood rod brass-covered [illegible] ball exactly beats to the minute. Has maintaining power.

No. 11598 ..... Each $32.70

Clocks are very appropriate as Wedding or Holiday Gifts

All come fitted with 8-day, Half-hour Strike, Cathedral Gong Movements. 12-inch Dials

SHEFFIELD
Weight

Height, 90½ inches.
Width, 2[illegible] inches.
Dial, Etched Metal Case Solid Mahogany
No. 11606... ..... Each, $100 70

WILMINGTON

Height, 91 inches.
Width, 21½ inches.
Wood Top Ornament 12-inch Dial Etched Metal Case, Solid Mahogany or Oak
No. 11605 ...Each, $100 70

BROOKSDALE
Weight

Height, 72½ inches.
Width, 20[illegible] inches
Dial, Etched Metal Case Solid Mahogany or Oak
No. 11604 Each, $106 35

DUTCH No. 20
Weight

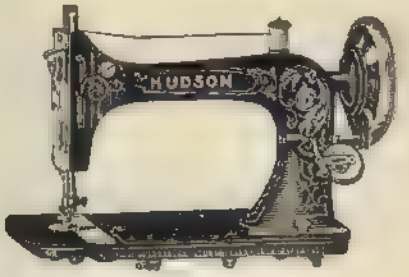
Height, 78 inches.
Width, 18½ inches.
Dial, Wood, Cast Hands and Numerals Case, Solid Oak, Flemish Finish
No 11603. . . Each, $58 00

DUTCH No. 40
Spring

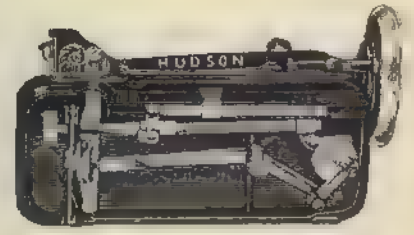
Height, 77½ inches.
Width, 17½ inches.
Dial, Wood Cast Hands and Numerals Case, Solid Oak, Flemish Finish
No 11602 . . . . Each, $36 80

SEWING MACHINES

"HUDSON" AUTOMATIC, DROP HEAD



Top View of Sewing Head.



Bottom View of Sewing Head.

Ball Bearing, Automatic Tension, Fully Warranted for Ten Years.

In General This model although moderate in price, is, we honestly believe, the most magnificently equipped and the best finished sewing machine the present market affords. It certainly is the full equal in every way of the Singer Wheeler & Wilson White Domestic, New Home, etc., which machines being sold by the old fashioned expensive agency methods, necessarily retail at what are truly exorbitant prices when compared with the prices of our machines.

The Sewing Head The Sewing Head forms the reliable and time tested double lock stitch It has an extremely high arm and in every respect it is modern and well equipped with improvements and labor-saving devices as the following list will show Self-Regulating Tension with automatic release, Steel Forged, Double Width, Positive Four Motion Feed Steel Capped Needle Bar and Presser Bar, Improved Automatic Stitch Regulator on Face of Arm Automatic Bobbin Winder, Positive Cam Driven Take up, Gear Releasing Device, Self Threading Shuttle, and Oil Hardened Steel Working Parts.

The Case— The Case of this new model is decidedly superior in construction and different in appearance from any and all others As illustration shows it is built on graceful and beautiful lines which immediately appeal to the eye of the discriminating. Each drawer is fitted with lock and key by means of which the four full length side drawers and their contents are secure from loss The beautifully curved drop front piece the massive construction the easily operated, tested steel chain automatic lifting device and the hand rubbed mirror finish of the entire quarter sawed case are excellent features not incorporated in any other machine.

The Stand –Our New Ball Bearing Stand (just out) is a marvel of simplicity, noiselessness and speed The accurately ground steel balls are encased in improved retainers where they revolve idependently of each other The New Steel Pitman has non binding, easily adjusted connections at either end The Belt Retaining Guard is a wonderfully ingenious device and one of much merit It eliminates all the fussing and straining incident to belting machines less fortunately equipped

The Attachments The Steel Attachments are packed in an elaborate, velvet lined metal box They are very complete as the following indicates Tucker, Ruffler, Braider, Binder, Four Hemmers of different widths Shirring Slide, Feller, Quilter, Cloth Guide, Six Bobbins, Twelve Needles, Two Screw Drivers, Filled Oil Can and Illustrated Book of Directions.

Each

No. 44—Hudson. 4 Drawers, Complete with All Attachments ..... $.....

Weight Each Crated 128 Pounds.

THIMBLES.

Children's silver plated on brass 4a size in box
N237 Assd. size 2,3,4, 6&10. 84c

Dressmakers' and Tailors' Nickel-plated Lever Metal Compartment, box of 1 doz.
N280—Size 9, medium
N282— " 10, large
N286— " 11, extra large. Doz. 18c

Working Women's—German silver good weight. 1 doz. in box
N276 Assd. med. and large.
N274—Assd. large. Doz. 24c

Open End German silver, good weight. 1 doz. in box.
N276 Assd. med. and large. Doz. 24c

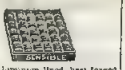
N358—Ivorine heavy white stock well milled. Assd. sizes. 1 doz. in box. Doz. 24c

N394—Children's Silver finish, engraved border, cotton wrapped. Assd. sizes 2 to 6. Each in box 1 doz. in carton. Doz. 26c

N386—Heavy silvered, wide band. Assd. sizes 8 to 10. Each in box 1 doz. in carton. Doz. 36c

N280—2 styles nickeled and german silver, shaped base in plush lined box. Assd. sizes. 1 doz. in box. Doz. 39c

THIMBLE ASSORTMENTS.



N270—Aluminum lined heat forged steel. Assd. size sizes. 3 doz. in box. Doz. 16c

N364—"Queen." Heavy nickeled well milled thimbles, 9 assd. sizes, in 10½x6 wood cabinet, hinged cover, padded inside. 12 doz. in cabinet Doz. 20c

N254—Silver plated brass. Assd sizes in stoke case, plush base. 2 doz. in asst. Doz. 24c

N291—Heavily nickeled, well milled, not tarnish, assd sizes on natural colored plush covered "tiger" easel stand. 3 doz. in asst. Doz. 28c

N277—Heavily nickeled, well milled, with oak rest. Assd. sizes, 7 to 10, on tower, 1st 9½ in red brick effect 7¼ in. base, white plush lower cut out gilt top. 6 doz. in asst. Doz. 25c

N273—Best silver plate, English make white alloy metal, assd. sizes in glass covered leatherette cabinet. 3 doz. in asst. Doz. 30c

N263—"Princess." 3 styles, heavy nickeled well milled, 3 sizes in asst. Leatherette compartment cabinet, double hinged lid and cover, metal clasp, easel back. 4 doz. in asst. Doz. 32c

"HER MAJESTY"
ENGLISH THIMBLE.
Best thimbles the money will buy. Put up in a most attractive cabinet. Pays you a PROFIT
Her Majesty
PATENT

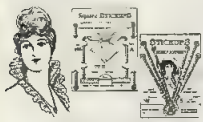
N261 Best exercise plated each stamped with name "Her Majesty," assd. med. and large sizes, packed in hinged glass covered mahogany covered cabinet. 3 doz. in asst. Doz. **35c**

COLLAR SUPPORTERS AND SETS

COLLAR AND GIRDLE BONING
LEAD DRESS WEIGHTING

LATEST STYLE COLLAR SUPPORTERS AND SETS.

"Medley" Square—Silk covered soft springy twisted wire, rustproof. Assd. 2¼ 3 and 3½ in. Each on card, 1 doz. cards in box
N170—White.
N171—Black. Doz. cards, 36c



"Stickups" and "Square Stickups" Silk covered soft springy twisted wire, rust proof 2 styles, wire of 3 straight supports or 2 straight supports with square forward. Assd. best selling sizes. Each one on card 1 doz. cards in box
N113—White.
N115—Black. Doz. cards, 67c

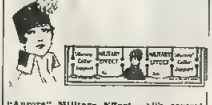
"Aurora," 3 Collar Styles Silk covered twisted wire, rustproof. Assd. best selling sizes. Each on card, 1 doz. cards in box
N114—White.
N116—Black. Doz. cards, 67c

"Aurora" Butterfly Effect—Silk covered twisted pliable wire, rustproof. Assd. 2¼ and 3 in. Each on card 1 doz. cards in box
N122—White.
N176—Black. Doz. cards, 68c

"Kossk" Military Style—Silk covered twisted heavy springy wire, rustproof. Assd 2¼ and 3 in. Each on card, 1 doz cards in box
N174—White.
N175—Black. Doz. cards, 68c

N117—6 sizes 6 flare. White silk covered rustproof wire, soft and pliable, rustproof. Each on card 1 doz. cards in box Doz. cards, 89c

N118—"La Vogue" 3 styles, white silk covered pliable wire, rustproof, twisted stick-ups. Each on card. Assd. 1 doz. cards in box. Doz. cards, 75c



"Aurora" Military Effect Silk covered twisted pliable wire, rustproof. Assd. 2¼ and 3 in. Each on card, 1 doz. cards in box
N176—White.
N177—Black. Doz. cards, 78c

COLLAR SUPPORTER SETS.

N141

N143

N111—"Rex." White enameled springy wire rustproof, tempered ends. Assd. 2½ 3 in. 3 on card, 1 doz. cards in box Doz. cards 28c

N48—Flexible, Celluloid, 6 of one length on card. Assd. 2 to 3 in. 1 doz. cards in box Doz. cards, 30c

N343

N343—"Princess" Reclining support, white silk covered spring wire, straight, can be twisted into any shape, 5½ in. pc., cut to any length desired. Each pc in tissue cover, 1 doz. pcs. in box..... Doz. pcs. 30c

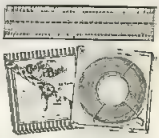
"Serpentine"—Spring wire, silk covered, 6 of one length on card Assd. 2 to 3 in 1 doz cards in box
N87 White
N86—Black. Doz. cards, 36c

You can't use too many kinds of selling helps! Every show card, every price ticket, every sign, does salesman's duty during every working hour.

"CASTLE BONE"

The Ideal Boning.

Made of finest fish bone quill. A ready seller that should be on every notion counter.



N3654—½ in wide, good quality mercerized white cotton tape, stitched edges and center, boned quill boning 1 doz. yds. in pc., in box. Doz. yds. 89c

LEAD DRESS WEIGHTING.

Twin plush dress weighting by the yd Link leads of lead cord and covered with silk or cotton. Recommended as the most practical dress weighting

"Ance"—Cotton braided. 12 yds. on card in box
N3650—White
N3651—Black. Doz. yds. 35c

"Radio" Finely lustrous silk braided covering. 12 yds. on card in box
N3652—White
N3653—Black. Doz. yds. 68c

GIRDLE SUPPORT.

For all styles of girdles.

N3432—36 in. pc. transparent celluloid, perforated for sewing 1 pc on card, directions. 1 doz. cards in box Doz. cards, 34c

CLOTHES WRINGER ASSORTMENTS

WITH DISPLAY STANDS

Stands are Strongly Made of Hardwood, Finished in Bright Colors and Gold Lettering, with Strong Rust Iron Bases Attractively Decorated in Bright Colors and Mounted on Ball Bearing Casters. Brass Hooks for Hanging Wringers.

12 Piece Wringer Assortment with Rack No. 17

TWELVE PIECE WRINGER ASSORTMENTS

Especially Adapted for Large Stores of Display Rooms. Height of Stand 6 feet, Occupies 41x20 inch Floor Space

Per Assortment

No. 12A—Consists of Rack No. 17 and 12 Wringers as Specified Below, Weight Complete 320 lbs. $91.80

Contains the Following Wringers:

1 No. R50 —Royal	1 No. U350—Universal	1 No. K310—Keystone
1 No. R101 —Royal	1 No. U151—Universal	1 No. R181—Rival
1 No. R100E—Royal	1 No. N201—Novelty	1 No. R191—Rival
1 No. R501 —Royal	1 No. N300—Novelty	1 No. F10—Falcon

Per Assortment

No. 12B—Consists of Rack No. 17 and 12 Wringers as Specified Below; Weight Complete 320 lbs. $93 00

Contains the Following Wringers:

1 No. N167—Newhouse	1 No. T 60—Tip Top	1 No. M 62—Merrimac
1 No. N165—Newhouse	1 No. T 85—Tip Top	1 No. M 75—Merrimac
1 No. N 77—Newhouse	1 No. T150—Tip Top	1 No. M110—Mizzo
1 No. N178—Newhouse	1 No. T751—Tip Top	1 No. M711—Mizzo

Per Assortment

No. 12C—Consists of Rack No. 17 and 12 Wringers as Specified Below; Weight Complete 320 lbs $95 40

Contains the Following Wringers:

1 No. E350 —Empire	1 No. K300 —Rival	1 No. R501 Royal
1 No. U350 —Universal	1 No. R101 —Rival	1 No. R502 Royal
1 No. K310 —Keystone	1 No. N300E—Novelty	1 No. F 10—Falcon
1 No. N300—Novelty	1 No. R100 —Rival	1 No F 11—Falcon

SIX PIECE WRINGER ASSORTMENTS

Height of Stand 5 feet; Occupies 30x20 inch Floor Space; Mounted on Casters

Per Assortment

*No. 6A—Consists of Rack No. 14 and 6 Wringers as Specified Below; Weight Complete 190 lbs.. $85 00

Contains the Following Wringers:

1 No. N167—Newhouse	1 No. M62—Merrimac	1 No. T60—Tip Top
1 No. N177—Newhouse	1 No. M75 —Merrimac	1 No. T61—Tip Top

Per Assortment

No. 6B—Consists of Rack No. 14 and 6 Wringers as Specified Below. Weight Complete 190 lbs. $97.02

Contains the Following Wringers:

1 No. U350—Universal	1 No. N201—Novelty	1 No. R100—Rival
1 No. E350—Empire	1 No. K311—Keystone	1 No. F10—Falcon

Per Assortment

*No. 6C—Consists of Rack No. 14 and 6 Wringers as Specified Below, Weight Complete 190 lbs. $93 60

Contains the Following Wringers:

1 No. M62—Merrimac	1 No. T61—Tip Top	1 No. M110—Mizzo
1 No. T60—Tip Top	1 No. T150—Tip Top	1 No. M111—Mizzo

Per Assortment

No. 6D—Consists of Rack No. 14 and 6 Wringers as Specified Below; Weight Complete 190 lbs.. $89.70

Contains the Following Wringers:

1 No. R501—Royal	1 No. U351 Universal	3 No. R191—Rival
1 No. R591—Royal	1 No. U351—Universal	1 No. R192—Rival

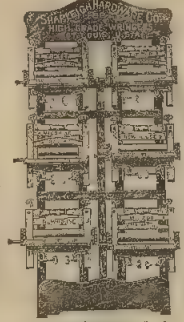
6 Piece Wringer Assortment with Rack No. A

Stand Casted; Wringers Cased

CLOTHES WRINGER ASSORTMENTS

WITH DISPLAY RACKS

Stands are Strongly Made of Hardwood with Easel Back, Finished in Bright Colors and Gold Lettering with Brass Hooks for Hanging Wringers.



6-Piece Wringer Assortment with Rack No. B

SIX PIECE WRINGER ASSORTMENTS

With Rack No. B

Height of Rack B feet; Occupies 20x30 inches Floor Space

Per Assortment

No. 6J Consists of Rack No. B and 6 Wringers as Specified Below, Weight Complete 210 lbs. $27 00

Contains the Following Wringers:

1 No. U350 Universal	1 No. E350 Empire	1 No. K300 Rival
1 No. N300 Novelty	1 No. K3 00 Keystone	1 No. R101 Rival

Per Assortment

No. 6K—Consists of Rack B and 6 Wringers as Specified Below, Weight Complete 210 lbs. $27 00

Contains the Following Wringers:

1 No. N167 Newhouse	1 No. M62 Merrimac	1 No. T50 Tip Top
1 No. N165 Newhouse	1 No. M70 Merrimac	1 No. T51 Tip Top

Per Assortment

No. 6L—Consists of Rack No. B and 6 Wringers as Specified Below, Weight Complete 210 lbs. $30 50

Contains the Following Wringers:

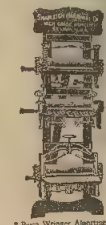
1 No. R501 Royal	2 No. U351 Universal	1 No. R192 Rival
1 No. C1-69 Chesapeake	1 No. N300E Novelty	1 No. R101 Royal

Per Assortment

No. 6M—Consists of Rack No. B and 6 Wringers as Specified Below, Weight Complete 210 lbs. $29 00

Contains the Following Wringers:

1 No. R501 Royal	1 No. N201 Novelty	1 No. R100 Rival
1 No. U351 Universal	1 No. K311 Keystone	1 No. R101 Rival



8-Piece Wringer Assortment with Rack No. C

SIX PIECE WRINGER ASSORTMENTS

With Rack No. A

Height of Rack 5 feet; Occupies 16x24 inches Floor Space

Per Assortment

*No. 3A—Consists of Rack No. A and One Each Wringer No. M62 Merrimac, No. T60 Tip Top and No. M110 Mizzo; Weight Complete 95 lbs. $11 00

No. 3B—Consists of Rack No. A and One Each Wringer No. R501 Royal, No. U351 Universal and No. R101 Rival. Weight Complete 95 lbs. $8.50

*No. 3C—Consists of Rack No. A and One Each Wringer No. N168 Newhouse, No. T51 Tip Top and M111 Mizzo; Weight Complete 95 lbs. $9.00

THREE PIECE IRON WRINGER ASSORTMENTS

With Rack No. C

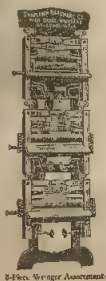
Height 315 feet; Occupies Height inches Floor Space

Per Assortment

No. 3D—Consists of Rack No. C and One Each Wringer No. R389 Relief and No. TD340 Ideal; Weight 105 lbs. $12 00

No. 3E—Consists of Rack No. C and One Each Wringer No. C1-67 Crescent, No. D100 Daisy and No. 6210 Marvel; Weight 105 lbs. $9.00

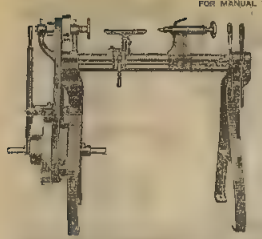
Stand Casted; Wringers Cased



8-Piece Wringer Assortment with Rack No. A

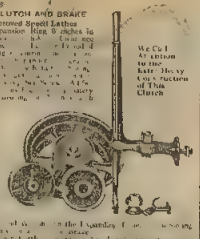
"DIAMOND EDGE IS A QUALITY PLEDGE"

✠LATHES
SHELDON—WOOD TURNING
FOR MANUAL TRAINING SCHOOLS



IMPROVED CLUTCH AND BRAKE

Used on Improved Speed Lathes



We Call Attention to the Safe Design of This Clutch

✠IMPROVED PATENT SPEED LATHES

With Improved [illegible]

[illegible]

No 3 [illegible] $50 00

All 60 inches, Width at Floor 20 inches, Weight 270 lbs. 80 00 90 00

These Lathes Correspond in Size and Construction with the Nos. 3 and 5 Described Above

For Speed, Lathe Efficiency, Appearance and Convenience We Compare Favorably with Lathes of any Cost

✠BENCH LATHES

With Countershaft Threaded Headstock and 250 Revolutions per Minute

No 1A [illegible]

No 2A [illegible] $ 3 20

[illegible] 5 20

✠FOOT POWER SPEED LATHES

Speeds Near the Machine Suitable for a Wide Range of Work on Either Wood or Metal

No 3 [illegible] Each

$60 00 $70 00

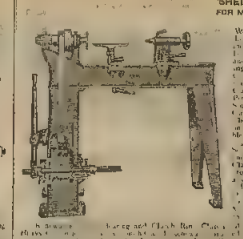
One in a Case

✠COUNTERSHAFTS

For Shop or Home Use

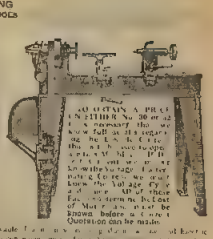
No 1C [illegible] Each

Items Marked ✠ Not Carried in Stock, Can Only be Furnished by Shipping Direct from Factory F O B M shogan Mich



✠LATHES
SHELDON WOOD TURNING
FOR MANUAL TRAINING SCHOOLS

Polished Steel Bars, Cast by Welding process into Frame, Live Spindle, Bearings [illegible]



[illegible]

No 30 [illegible] $129 00

No 32—Lathe Material 36 inches Long, 1 Inches Diameter, Speed of Shaft 600 Revolutions per Minute, Height over All 44 inches, Length over all 60 inches, Width at Floor 32 inches, Weight 450 lbs. [illegible] Each

Items Marked ✠ Not Carried in Stock, Can Only be Furnished by Shipping Direct from Factory F O B Muskegon, Mich

Hardwood Bed, Cast-Iron Legs, Slide Rests, Pulleys and, Hand Wheels, Steel Face Plate, Axles and Bolts With Tailer Stuff, 12 inches in Diameter and 3 feet Long

WOOD TURNING

BARNES

WITH BENCH LEGS

No 32—[illegible] inches Swing Over Ways, with Single Head [illegible] $48 00

One in a Case

DIRECT SHIPMENT [illegible]

Items marked ✠ Not Carried in Stock, Can Only be Furnished by Shipping Direct from Factory Rockford Ill

MILLERS FALLS

Drive Wheel and Gear Pulley with Two Grooves to Permit Change of Speed

Frame and Sheet Steel Rests

Head, Tool Rests, Tailstock and Bed, Pinions etc

[illegible] Face Plate and Spur Centre and Screw Center

Emery Wheel [illegible]

Tool Set [illegible] with Each Lathe

Tailstock Is Screwed and [illegible]

Swing over Ways 12 inches, Distance Between Centers, 12 inches, Distance of Bed from Floor 27 inches, Length of Bed, 53 inches

Foot Sawing Attachment, Quickly [illegible]

The Work Supported by the Ash Wood Arch, Its Elastic Strength [illegible]

Saw Is 24 Inches Long [illegible]

Saw Blades 3 inches in Diameter and Straight Edge Grade

The Whole Machine is Thoroughly Built and Highly Finished, Polished Parts Being Nickeled

No 1170 [illegible] Each

One in a Box, Knocked Down, Shipping Weight 81 lbs. $30 95

No 6305 [illegible] Each

One in a Box, Knocked Down, Shipping Weight 81 lbs. $17 65

Diamond Edge is a Quality Pledge

*SILVER'S 20 INCH SWING DRILL

COMBINED LEVER AND WHEEL FEED

Round or Square Base

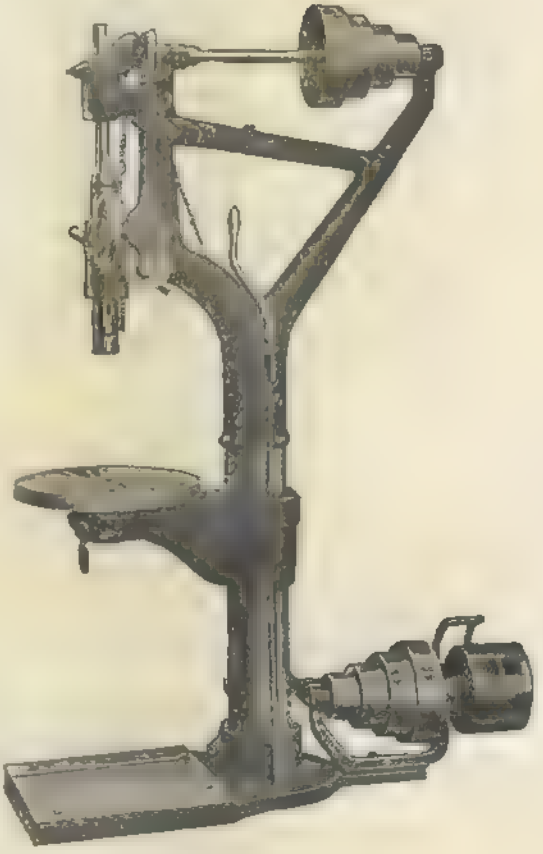


Fig. 858

DESCRIPTION OF FIGS. 857 AND 858 DRILLS

The Combined Lever and Wheel Feed Drills permit either the lever or the wheel to be used, without affecting the other. Aside from this they are not different from the Plain Lever Feed.

[illegible] from which these drills are made are entirely new and the designs insure great strength and efficiency, also convenience [illegible] They are well adapted to meet the up to date and exacting requirements of modern machine shop practice

Their superiority in quality, design and finish stands right out so you cannot help seeing it

As indicated in price list, Figs. 857 and 858 differ only in the style of base (whether round or square).

Bevel [illegible] are accurately cut from solid blanks, the cog rack is forged from steel and the teeth are milled to gauge.

The quality of the Drill is indicated by its substantial appearance. Every part is finished with special care and the materials used are the best procurable. All details have been carefully worked out. The top shaft has split bearings to permit of taking up wear.

Back Gears can be furnished with this style drill when desired, as indicated in price list

Table has easy up and down adjustment and swings to either side

When the tool is wanted only for drilling, the countershaft for [illegible] provided with tight and loose pulleys, 8 inches diameter by 2 inch face, as shown in the accompanying engraving, and should make 200 revolutions per minute. For tapping and drilling a friction countershaft is required.

Drive Shaft has tight and loose pulleys; turns 1⅔ times to 1 turn of spindle.

DIMENSIONS OF FIGS. 857 AND 858

Height, inches	68¼	Distance from spindle to table, inches	36
Diameter column, inches	5¼	Diameter of crown gear, inches	5
Diameter table, inches	16	Diameter of bevel pinion, inches	3
Diameter spindle, inches	2½	Diameter large pulley on cone, inches	9¼
Vertical travel of spindle, inches	20	Diameter small pulley on cone, inches	4
Vertical travel of table, inches	16	Cone carries 2 inch belt.	
Spindle bored for No. 3 Morse taper		Tight and loose pulleys, inches	8 x 2¾
Distance from column to center of table, inches	10¼	Floor space—square base, inches	40 x 16
Distance from spindle to base, inches	41⅛	Floor space—round base, inches	36 x 20

PRICES

	Each
*Fig. 858 With square base, complete as shown, drive shaft with tight and loose pulleys, weight crated 700 pounds	$85 00
*Fig. 857 With round base, otherwise same as Fig. 858; weight crated 660 pounds	90 00
Back gears for either style, extra	20 00
Friction countershaft for tapping, either style, extra	60 00
V shaped attachment to fit in supporting arm, for holding wheels to drill those shown in Fig. 857	2 00
Wheel holding attachment to clamp to column, with spindle to go through wheel, as in Fig. 857	5 00

*Not carried in stock; can be shipped promptly from factory.

*SILVER'S 20 INCH SWING DRILL

POWER FEED AND AUTOMATIC STOP

Round or Square Base

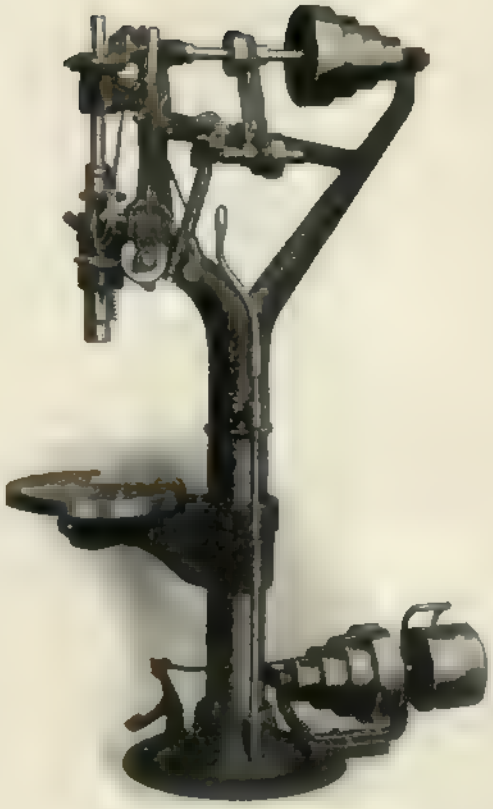


Fig. 859

DESCRIPTION OF FIGS. 859 AND 860

The Power Feed Drills with Automatic Stop, Figs. 859 and 860, are exactly the same in construction and design, with the exception of the style of base, as indicated in price list under illustration.

Simple and convenient operation, and strong construction are some of the features of the new designs that make for splendid efficiency

The Power Feed and Automatic Stop requires only to be started and will stop automatically wherever set, at any required depth. This action is entirely independent of the wheel or the lever feed: either of these can be used in addition

The substantial appearance denotes quality—new patterns throughout every detail carefully worked out—materials the best procurable. Bevel gears accurately cut from solid blanks, the cog rack is forged from steel and the teeth are milled to gauge. The top shaft has split bearings to permit of taking up wear

Table has easy up and down adjustment and swings to either side

When the tool is wanted only for drilling, the countershaft for it is provided with tight and loose pulleys 8 inches diameter by 2¾ inch face, as shown in the accompanying engraving, and should make 200 revolutions per minute. For tapping and drilling a friction countershaft is required.

Drive Shaft has tight and loose pulleys, turns 1¾ times to 1 turn of spindle

DIMENSIONS OF FIGS. 859 AND 860

Height, inches	68¼
Diameter column, inches	5½
Diameter table, inches	16
Diameter spindle, inches	1⅜
Vertical travel of spindle, inches	10
Vertical travel of table, inches	16
Spindle bored for No. 3 Morse taper.	
Distance from column to center of table, inches	10¾
Distance from spindle to base, inches	41⅛
Distance from spindle to table, inches	26⅝
Diameter of crown gear, inches	5⅝
Diameter of bevel pinion, inches	3⅜
Diameter large pulley on cone, inches	9¼
Diameter small pulley on cone, inches	4
Cone carries 2 inch belt.	
Tight and loose pulleys, inches	8 x 2¾
Floor space—square base, inches	46 x 16
Floor space—round base, inches	36 x 20

PRICES

	Each
***Fig. 859** With round base, complete as shown; drive shaft with tight and loose pulleys, weight crated 670 pounds	$110 00
***Fig. 860** With square base, otherwise same as Fig. 859; weight crated 710 pounds	115 00
Friction countershaft for tapping, either style, extra	10.00
V-shaped attachment to fit in supporting arm, for holding wheels to drill the tires, on Fig. 859	2 00
Wheel holding attachment to clamp to column, with spindle to go through wheel, on Fig. 859	5.00

*Not carried in stock; can be shipped promptly from factory.

PADLOCK ASSORTMENT

Brass Padlocks With Automatic Shackles

No. W27 Contains four locks each, Nos. 3901, 3902 and 3903, mounted on a display card with wire easel back . . . . . per assortment, **$4.00**

One card in a box, weight 4 pounds

No. 1E Contains six 1⅝ inch padlocks, each japanned and brass plated, mounted on an attractive display card with easel, weight per assortment 2¼ pounds
Per assortment **$1.70**

Size of card 15x11½ inches

One card in a box

No. 9E Contains one dozen padlocks, assorted sizes and patterns, mounted on an attractive display card with easel, weight per assortment 4 pounds
Per assortment **$3.00**

Size of card 15x11½ inches

One card in a box

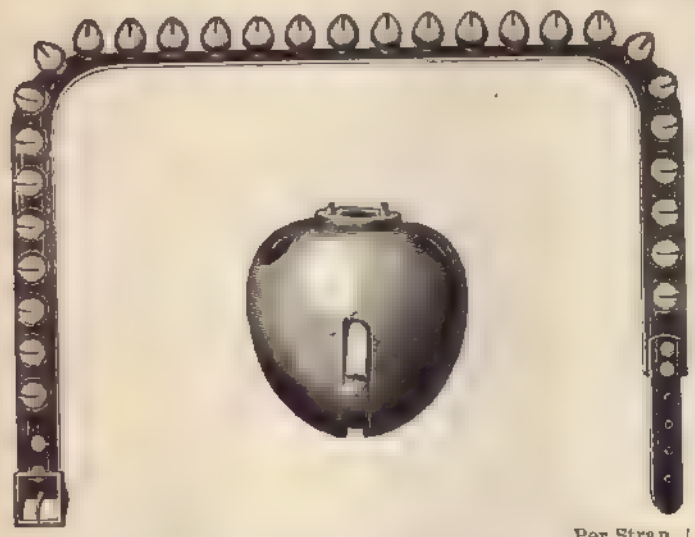
PADLOCK ASSORTMENT

No. 111F Contains three locks each, Nos. 4167, 4098¼, 4098 and 41c7¼, mounted on handsome display card with easel back, lithographed in blue and gold, size of card 16⅞ x 11½ inches . . . . . per assortment, **$1.80**

One card in a box, weight 3⅝ pounds

SLEIGH BELLS

BODY STRAPS

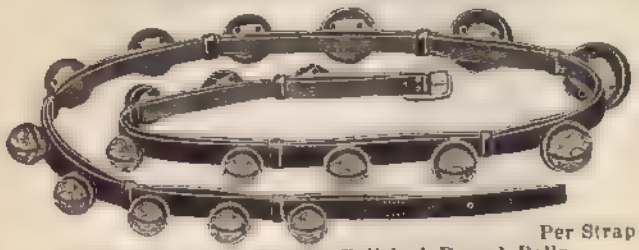


Per Strap

No. 341—30 No. 2 Nickel Plated Bell Metal Globe Bells, 1¼ in. Diameter, Riveted to Black Leather Strap, Weight Each 3¼ Lbs. $5 32

No. 386—42 No. 2 Nickel Plated Bell Metal Globe Bells, 1¼ in. Diameter, Riveted to No. 3 Broadway Best Quality Black Leather Strap, with Rounded Edges, Covered Buckle, Buckle and Billet Stitched on, Weight Each 4 Lbs. . . . 8.00

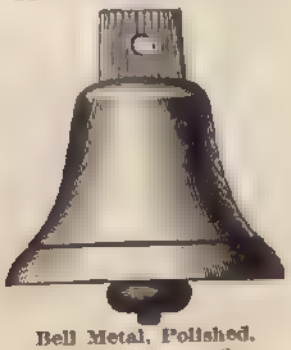
No. 390—42 No. 3 Nickel Plated Bell Metal Bells, 1⅜ in Diameter, Otherwise Same as No. 386. . 8 50



Per Strap

No. 132—30 No 2 Common Polished Round Bells, 1¼ in. Diameter, Wire Fastened to Heavy Russet Strap, Lined with Grain Leather, Weight Each 3⅛ Lbs $2 60

HOUSE BELLS



Bell Metal, Polished.

Nos.	1	2	3	4
Diameter Inches	2 ⅛	2 ⅜	2 ⅝	2 ⅞
Wt. Per Dozen, Lbs	2 ½	2 ⅞	3 ½	5
Per Dozen	$	. . . .	. . . .	. . . .
Nos.	**5**	**6**	**7**	**8**
Diameter, Inches	3 ¼	3 ½	3 ¾	4
Wt. Per Dozen, Lbs	6 ¾	8 ⅝	9	10 ½
Per Dozen	$ . .	.	. . .	. . .

Per Strap

No. 177—30 No. 2 Tinned Bell Metal Bells, 1¼ in. Diameter, Riveted to Black Strap, Weight Each 3 Lbs. $2.40

Per Strap

No. 305—36 No. 2 Extra White Finished Bell Metal Beveled Bells, 1¼ in. Diameter, Riveted to Black Strap, Weight Each 3¾ Lbs. $3.70

Per Strap

No. 454—70 No. 0 Nickel Plated Bell Metal Bells 1⅞ in. Diameter, Riveted to No. 3 Broadway Best Quality Black Leather Strap with Rounded Edges, Covered Buckle, Buckle and Billet Stitched on, Weight Each 4½ Lbs. $9.00

No. 455—60 No. 1 Nickel Plated Bell Metal Bells, 1⅞ in. Diameter, Otherwise Same as No. 454. . 9.00

SWEDISH

Per Strap

No. 878—2 Each No. 9, 2¼ in. and No. 13, 2⅝ in Polished Swedish Bells, Extra Heavy Cherry Leather Strap 18 in Long, Weight Each 2⅝ Lbs $4 00

No. 879 Nickel Plated Bells, Otherwise Same as No 878 . . . . . 5.58

TEAM BELLS

Sheet Steel, Malleable Iron Loop, Copper Plated.

Nos.	1	2
Diam., Inches	2 ⅝	2 ⅞
Wt Dozen, Lbs.	2 ¼	3 ½
Per Dozen	$0 92	1 25

No.	3
Diam., Inches	3 ⅜
Wt Dozen Lbs	4 ½
Per Dozen	$1 66

BELLS

WESTERN COW

Stamped Sheet Steel, Brassed, Steel Loop, Iron Clapper.

Nos.	11	12	13	14
Height without Loop, In.	6¼	6	5½	5⅜
Weight Per Dozen, Lbs.	18	15	13	11
Per Dozen	$11.50	10.00	9.00	8.00

Nos.	15	16	17
Height without Loop, In.	5 1/16	4⅝	3⅞
Weight Per Dozen, Lbs.	9½	8	6
Per Dozen	$6.50	5.50	4.50

SHEEP

Wrought, with Strap.

No.	100
Height without Loop, Inches	2½
Weight Per Dozen, Lbs.	8
Per Dozen	$.....

HAND

Polished Cast Brass Bowl, Black Enameled Wood Handle.

Nos.	0	1	2	3	4	5	6
Diameter, Inches	2	2⅜	2⅝	2⅞	3⅜	3¾	4
Weight Per Dozen, Lbs.	2¼	2¾	3½	5	6	8	8¼
Per Dozen	$2.00	2.62	3.50	4.50	6.50	8.50	11.25

Nos.	7	8	9	10	11	12
Diameter, Inches	4⅛	5	5⅝	5¾	6⅜	6½
Weight Per Dozen, Lbs.	10	12	15	18	21	24
Per Dozen	$13.75	18.50	24.00	30.00	38.00	36.00

Nos. 1 to 4, One-half Dozen; Nos. 5 to 7, One-third Dozen in a Box; Nos. 8 to 12, One-twelfth Dozen in a Package

SWISS HAND

Nickel Plated, Highly Polished, Pure Copper and Tin, Stained Mahogany Handle.

Nos.	2	4	6
Diameter, Inches	2⅛	3⅛	3¾
Weight Per Dozen, Lbs.	2¾	5¼	9
Per Dozen	$8.00	12.00	18.00

Nos.	8	10	12
Diameter, Inches	4¾	5⅝	6⅞
Weight Per Dozen, Lbs.	12¾	24¾	44
Per Dozen	$30.00	51.00	77.00

Nos. 2 and 4, One-half Dozen; No. 6, One-third Dozen; Nos. 8, 10 and 12, One-twelfth Dozen in a Package.

MILKMEN'S AND AUCTIONEERS'

Buell's Pattern, Highly Polished, Extra Heavy, Pure Bell Metal, Enameled Handles, Combination Ferrule.

Nos.	7	8
Diameter, Inches	5⅜	5 7/16
Weight Per Dozen, Lbs.	24¾	35
Per Dozen	$25.00	30.00

No.	10
Diameter, Inches	6½
Weight Per Dozen, Lbs.	32
Per Dozen	$40.00

One-twelfth Dozen in a Package.

Nos. 91268-91271½

Band Instruments

With Water Keys, German Silver Mouthpieces and Music Racks

SLIDE TROMBONES

E♭ ALTO HIGH AND LOW PITCH

No.		Each
91268	E♭ Alto Brass	$27 75
91269	E♭ Alto, Brass, Nickel Plated	32 75
91268½	E♭ Alto, Brass, Silver Plated, Satin Finish	43.75
91269½	E♭ Alto, Brass, Silver-Plated, Burnished	49 00

B♭ TENOR HIGH AND LOW PITCH

No.		Each.
91264	B♭ Tenor, Brass	$22 75
91265	B♭ Tenor, Brass, Nickel-Plated	26.50
91264½	B♭ Tenor, Brass, Silver-Plated, Satin Finish	37 25
91265½	B♭ Tenor, Brass, Silver-Plated, Burnished	45 00

B♭ TENOR HIGH AND LOW PITCH
BETTER QUALITY

No.		Each.
91266	B♭ Tenor, Brass	$2 75
91267	B♭ Tenor Brass Nickel Plated	32 50
91266½	B♭ Tenor Brass Silver Plated, Satin Finish	43.75
91267½	B♭ Tenor, Brass, Silver-Plated, Burnished	49.00

B♭ BARITONE HIGH AND LOW PITCH

No.		Each.
91270	B♭ Baritone, Brass	$27.75
91271	B♭ Baritone, Brass, Nickel-Plated	33 00
91270½	B♭ Baritone, Brass, Silver-Plated, Satin Finish	43.75
91271½	B♭ Baritone, Brass, Silver-Plated, Burnished	49.00

All Furnishings for Band Instruments can be had at strictly rock-bottom prices

Band Instrument Cases

No. 925.

CORNET CASES

No. 97	Wood, black varnished, lined, with lock handle and locks	Each $2.40
No. 99	Canvas, fleece lined, leather bound edges, metal clasps, leather handle with shoulder strap	Each 2.45
No. 911	Seal Grain Leather, black, satchel form, flannel lined, leather handle, nickel-plated trimmings, with shoulder strap	Each 4.10
No. 913	Seal Grain Leather, orange color satchel form, flannel lined, leather handle, nickel-plated trimmings, with shoulder strap	Each 4.10
No. 915	Leather, black, smooth finish, satchel form, felt lined, nickel-plated trimmings, extra quality, with shoulder strap	Each 7.10
No. 9115	Leather, black smooth finish, satchel form felt lined, nickel-plated trimmings, for B♭ Trumpet Each	8.50
No. 917	Same as No. 915, orange	Each 7.10
No. 919	Professional Model, covered with seal grain leather, black, velvet lined, nickel-plated trimmings	Each 14.00
No. 921	Keratol, imitation pebbled leather, black, silk plush lined, nickel-plated trimmings and corners	Each 13.50
No. 923	Grip Sack Cornet Case, heavy grain leather, black, velvet lined, nickel-plated trimmings	Each 20 00
No. 925	Leather Covered, in Ivy finished velvet lined with silk background, nickel-plated lock and trimmings, a very handsome case	Each 20 00
No. 9111	Seal Grain Leather, black satchel form, flannel lined, leather handle, nickel-plated trimmings, with shoulder strap for B♭ trumpet	Each 5.10
No. 9221	Keratol, same as cornet case 921, for B♭ trumpet Each	20.00

When ordering Nos 919, 921, 923 or 925, give make of instrument.

SOLO ALTO CASE

No. 924 Black Pebbled Leather, satchel form, flannel lined, with shoulder strap.....Each $10.00

VALVE TROMBONE CASES

No. 928	E♭ Alto Trombone Case, sole leather, black, flannel lined, with pockets, etc	Each $19.50
No. 929	B♭ Tenor Trombone Case, sole leather, black, flannel lined, with pockets, etc	Each 20.00
No. 931	B♭ Bass Trombone Case, sole leather, black, flannel lined, with pockets, etc	Each 32 75

NOTE—The above Cases fit only our regular catalogue styles of Valve Trombones. When ordering please give our catalogue number of the instrument for which case is wanted. When cases are wanted for instruments not of our regular styles, it is necessary for us to have the instrument to insure perfect fit. Additional charge of $7.00 to $10.00 (list) will be made for the making of special cases.

When cases are purchased without the instruments, we are obliged to charge boxing which will be 1st in the neighborhood of 75c

BAND INSTRUMENT CASES

No. 926	B♭ Tenor Slide Trombone Case, sole leather, black, flannel lined, with pockets, etc.	Each $18 75
No. 930	Alto, black leather, flannel lined, with pocket	Each 20 00
No. 932	Concert Alto, black leather, flannel lined, with pocket	Each 21 75
No. 934	Tenor, black leather, flannel lined, with pocket	Each 26.00
No. 936	Baritone, black leather, flannel lined, with pocket	Each 26.00
No. 938	Euphonium black leather, flannel lined with pocket	Each 28.75
No. 940	B♭ Bass, black leather, flannel lined, with pocket	Each 27 00
No. 942	E♭ Bass, black leather, flannel lined, with pocket	Each 38.25
No. 946	BB♭ Bass, black leather, flannel lined, with pocket	Each 53.35
No. 944	Mouthpiece, BB♭ Bass, black leather flannel lined with pocket	Each 58 35
No. 948	French Horn, black leather, flannel lined, with pocket	Each 28.00

These Cases are made to fit our regular styles of instruments. When ordering, please give our catalogue number of the instrument for which case is wanted. When cases are wanted for instruments not of our regular styles, it is necessary for us to have instrument to insure perfect fit.

CLARIONETS

Nos. 931-934

International or New Standard Pitch is LOW PITCH
American or Concert Pitch is HIGH PITCH

In the whole field of music few instruments call for greater care in manufacture than the Clarionet. A good Clarionet becomes almost priceless to its player. Something more than is apparent at a casual glance must be comprised in a Clarionet, in order that it may afford satisfaction when in use. The instruments carried by us were selected because an experience of over forty years has proved to us that they are the best value on the market.

FRENCH MANUFACTURE

HIGH PITCH

No. 95	A, Grenadilla, 6 brass keys, brass trimmed	Each	$12.00
No. 96	Bb, Grenadilla, 6 brass keys, brass trimmed	Each	12.00
No. 97	C, Grenadilla, 6 brass keys, brass trimmed	Each	12.00
No. 98	D, Grenadilla, 6 brass keys, brass trimmed	Each	12.00
No. 99	Eb, Grenadilla, 6 brass keys, brass trimmed	Each	12.00
No. 930	A, Grenadilla, 10 German silver keys, German silver trimmed	Each	18.00
No. 931	Bb, Grenadilla, 10 German silver keys, German silver trimmed	Each	18.00
No. 932	C, Grenadilla, 10 German silver keys, German silver trimmed	Each	18.00
No. 933	D, Grenadilla, 10 German silver keys, German silver trimmed	Each	18.00
No. 934	Eb, Grenadilla, 10 German silver keys, German silver trimmed	Each	18.35
No. 945	A, Grenadilla, with cork joints, Albert system, 13 Ger. sil. keys, 2 rings, Ger. sil. trim.	Each	29.75
No. 946	Bb, Grenadilla, with cork joints, Albert system, 13 Ger. sil. keys, 2 rings, Ger. sil. trim.	Each	29.75
No. 947	C, Grenadilla, with cork joints, Albert system, 13 Ger. sil. keys, 2 rings, Ger. sil. trim.	Each	29.75
No. 948	D, Grenadilla, with cork joints, Albert system, 13 Ger. sil. keys, 2 rings, Ger. sil. trim.	Each	29.75
No. 949	Eb, Grenadilla, with cork joints, Albert system, 13 Ger. sil. keys, 2 rings, Ger. sil. trim.	Each	29.75
No. 970	A, Grenadilla, with cork joints, Albert system, 15 Ger. sil. keys (Ex. Bb and C sharp), two rings, German silver trimmed	Each	36.35
No. 971	Bb, Grenadilla, with cork joints, Albert system, 15 Ger. sil. keys (Ex. Bb and C sharp), two rings, German silver trimmed	Each	36.35
No. 972	C, Grenadilla, with cork joints, Albert system, 15 Ger. sil. keys (Ex. Bb and C sharp), two rings, German silver trimmed	Each	36.35
No. 973	D, Grenadilla, with cork joints, Albert system, 15 Ger. sil. keys (Ex. Bb and C sharp), two rings, German silver trimmed	Each	36.35
No. 974	Eb, Grenadilla, with cork joints, Albert system, 15 Ger. sil. keys (Ex. Bb and C sharp), two rings, German silver trimmed	Each	36.35

With four roller keys. German silver finger holes.

No. 975	A, Albert system, Grenadilla, 15 German silver keys (Ex. Bb and C sharp), 2 rings	Each	50.00
No. 976	Bb, Albert system, Grenadilla, 15 German silver keys (Ex. Bb and C sharp), 2 rings	Each	50.00
No. 977	C, Albert system Grenadilla, 15 German silver keys (Ex. Bb and C sharp), 2 rings	Each	50.00
No. 979	Eb, Albert system, Grenadilla, 15 German silver keys (Ex. Bb and C sharp), 2 rings	Each	50.00

LOW PITCH.

No. 9170	A, Grenadilla, Albert system, 15 keys (Ex. Bb and C sharp), 2 rings, Ger. sil. trim	Each	36.50
No. 9171	Bb, Grenadilla, Albert system, 15 keys (Ex. Bb and C sharp), 2 rings, Ger. sil. trim	Each	36.50
No. 9172	C, Grenadilla, Albert system, 15 keys (Ex. Bb and C sharp), 2 rings, Ger. sil. trim	Each	36.50
No. 9174	Eb, Grenadilla, Albert system, 15 keys (Ex. Bb and C sharp), 2 rings, Ger. sil. trim	Each	36.50

BONES

Full Sizes and Weights

No. 917	Rosewood, 7 inch	Set of four $ .55
No. 921	Ebony, 7 inch	Set of four 1.00

Nos. 917-921.

Nos. 945-979

Nos. 901-930-933

CLARIONET CASES

No. 91	Black Leather Case lined, with handle and catch, for A Clarionet either Hi or Lo pitch	$ 3.95
No. 92	Black Leather Case, lined, with handle and catch for Bb Clarionet either Hi or Lo pitch	3.95
No. 93	Black Leather Case lined with handle and catch for C Clarionet either Hi or Lo pitch	3.95
No. 94	Black Leather Case, lined, with handle and catch, for D Clarionet either Hi or Lo pitch	3.95
No. 95	Black Leather Case, lined, with handle and catch, for Eb Clarionet either Hi or Lo pitch	3.95
No. 96	Black Seal Grain Leather Covered Case, flannel lined, with handle, hooks and lock for A Clarionets	9.95
No. 97	Black Seal Grain Leather Covered Case, flannel lined, with handle, hook clasps and lock for Bb Clarionets	10.70
No. 9701	Black Pebbled Leather full plush lined, leather handle, nickel lock corners and catches for A Clarionet	16.50
No. 9702	Same as No. 9701, for Bb Clarionets	18.00
No. 9703	Same as 9701, for C, D or Eb Clarionets	19.25

OCARINAS

No. 9101	Key of C, soprano	Each	$0.45
No. 9102	Key of Bb, soprano	Each	.45
No. 9102½	Key of A, soprano	Each	.45
No. 9103	Key of G, soprano	Each	.55
No. 9104	Key of F, soprano	Each	.55
No. 9104½	Key of E, soprano	Each	.60
No. 9104¾	Key of Eb, soprano	Each	.60
No. 9106	Key of D, alto	Each	.65
No. 9106½	Key of C, alto	Each	.65
No. 9107	Key of Bb, alto	Each	.80
No. 9107½	Key of A, alto	Each	.80
No. 9108½	Key of Ab, alto	Each	1.00
No. 9109	Key of G, alto	Each	$1.05
No. 9110	Key of F, alto	Each	1.30
No. 9111	Key of E, alto	Each	1.85
No. 9111½	Key of Eb, alto	Each	2.10
No. 9112	Key of D, bass	Each	2.20
No. 9113	Key of C, bass	Each	2.95
No. 9114	Key of Bb, bass	Each	3.60
No. 9115	Key of A, bass	Each	4.30
No. 9116	Key of Ab, bass	Each	4.65
No. 9117	Key of G, bass	Each	5.00
No. 9118	Key of F, bass	Each	5.35
No. 930	Quartettes, first and second tenor, first and second bass	Each	7.50

SMITH HAMMERLESS GUNS—NEW DESIGNS

HUNTER ONE-TRIGGER

The Hunter one-trigger mechanism is simple in construction, being made with only three parts. This action is simplicity itself. The selective button controlling the order of firing is conveniently located at the side of the trigger Pushing the button backwards exposes the letter L, indicating "left first." Moving it forward, concealing L and exposing R, indicates "right first." The sportsman can fire right and left, left and right, all rights, all lefts. As the button is never moved unless the order of firing is to be reversed, there is exactly the same control over the firing as in a two-trigger gun. Any Smith gun, new or old can be fitted with Hunter one trigger.

SPECIALTY GRADE

A fine gun in every detail and built to last a lifetime. It is a well made, well fitted gun of symmetrical lines and handsomely engraved. We have every confidence in recommending this arm to the discriminating gunner who appreciates high quality and is not desirous of investing a large amount.

With two triggers..... **$64.00** With Automatic ejector..... **$75.00**
With one trigger..... **89.00** With auto ejector and one trigger .. **100.00**

EAGLE GRADE

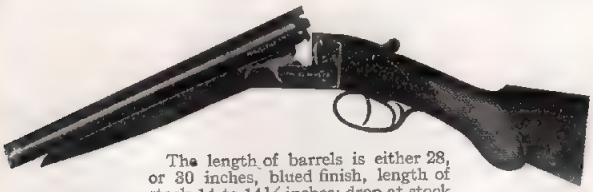
An entirely new type of ornamentation is presented in this grade. The top and bottom of frame and the lock plates are frosted and a ring-necked pheasant and duck in flight are engraved on the sides. The material is carefully selected and the workmanship excellent. Like all Smith guns it is guaranteed to shoot well, look well and wear well.

With two triggers..... **$115.00** With automatic ejector..... **$126.00**
With one trigger..... **140.00** With auto ejector and one trigger .. **151.00**

Delivery Prepaid in U. S. if Cash is Sent with Order at Above Prices

HUNTER ARMS CO'S "FULTON" GUN

While new in name this arm has stood the test of many years service as it was formerly sold by us under the name of "Sterling". Beginning with 1915 the makers, the Hunter Arms Co. decided to publically acknowledge that the gun is made in the same factory as the well known "Smith", and the brand "Fulton" has been adopted as a distinguishing mark. It is designed for those who expect a gun of great efficiency, handsome appearance and fine work throughout, at a moderate price.



The length of barrels is either 28, or 30 inches, blued finish, length of stock 14 to 14½ inches; drop at stock 2⅝ to 3 inches; weight from 7¼ to 8¼ lbs. Both barrels are regularly choke bored, but right barrel modified choke if preferred.

Made with half pistol grip stock of imported English walnut attractively checkered with fore-end to match. The action contains few parts, strong and reliable. The safety is positive, preventing accidental discharge.

No. **18.** Fulton Hammerless Gun, 20, 16 or 12 gauge.....Net **$18.00**

FOX-STERLINGWORTH HAMMERLESS SHOT GUN

Coil top-lever and main springs, guaranteed against breakage. The mechanism is simple, strong and warranted not to shoot loose. Barrels of Fluid Compressed Steel are guaranteed for smokeless powder. Stock is fine walnut, full pistol grip. Supplied in 12, 16 and 20 gauge.

No. **72.** **"Standard"** grade. 30-inch barrel only, weight 12 gauge 7½ to 7¾ pounds, 16 gauge, 6¼ to 6½ pounds; 20 gauge, 6 to 6 ¼ pounds; both barrels full choke, or right barrel modified and left choke, stock 14-inch long with 2¾-inch drop.....Net **$25.00**

No. **74.** **"Field"** grade. 28-inch barrel only, weight 12 gauge, 7 pounds; 16 gauge, 6 to 6¼ pounds, 20 gauge, 5¾ to 6 pounds, right barrel modified, left full choke, stock 14-inch with 3-inch drop.....Net **25.00**

No. **76.** **"Brush Gun"** 26-inch barrels only, weight 12 gauge, 6½ to 6¾ pounds; 16 gauge, 5¾ to 6 pounds; 20 gauge 5½ to 5¾ pounds; length of stock 14-inch, drop about 3-inch, right barrel cylinder, left barrel modified.....Net **25.00**

No. **78.** **"Trap" Gun.** 32-inch barrels; 12 gauge, weight 7¾ pounds; drop 2¾ inch; length of stock 14 inches.....Net **25.00**

Automatic ejectors on any model, extra.....Net **7.50**

Delivery Prepaid in U. S. if Cash is Sent with Order at Above Prices

SMITH & WESSON REVOLVERS

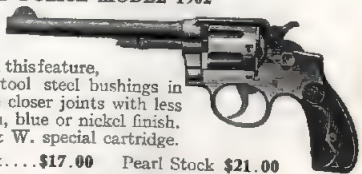
These are made with solid frames, swing-out cylinders, and hand ejectors.

PERFECTED .22 CALIBRE

This is a new small calibre revolver so constructed that an easy pull is obtained. Supplied with square wood grip which fits the hand nicely. Seven shots, nickel or blue finish. The ammunition best adapted is the .22 S. & W., which is practically the .22 long rifle cartridge slightly crimped and strengthened. Regular .22 short cartridges may also be used.

No. **48W.** 3 inch barrel, solid sight, blue finish..... **$13.50**
No. **48WN.** As above but nickel finish..... **13 50**
No. **48T.** 6 inch barrel, target sights, blue only..... **15 00**
Extra for Pearl Stock on No. 48 W and WN, $3.50. Pearl Stock on No. 48 T, $3.00
No. **48B.** 6 inch barrel, target sights, heavy frame. ... **17.50**

MILITARY AND POLICE MODEL 1902



The front lock is operated by a thumb-piece, making a most perfect locking mechanism. All wear is automatically overcome, and this feature, in connection with the hardened tool steel bushings in frame and cylinder, makes possible closer joints with less friction; 6 shots, barrels 4 or 6 inch, blue or nickel finish.

No. **51.** For .38 long Colt's or S. & W. special cartridge.
Blued finish, Rubber stock....**$17.00** Pearl Stock **$21.00**
No. **51N.** Nickel finish, Rubber stock.....**$17.00** Pearl Stock.....**$21.00**

MODEL 1903 .32 CALIBRE

Similar to the .38 Military Model shown above and adapted to regular .32 calibre S. & W. long central fire cartridges, 6 shots.

No. **49.** Blued finish, 3¼, 4¼ or 6 in. bbl. Rubber stock **$15.00**. Prl. Stk.**$17.75**
No. **49N.** Nickel finish, Rubber stock.....**$15.00** Pearl Stock **17.75**

MILITARY AND POLICE MODEL 1905

This revolver is identical with the Model 1902 except that it is fitted with a square handle of checkered wood, making a firmer grip.

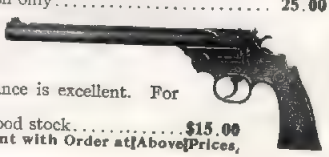
No. **53.** For .32-20 rifle. 4 or 6 in. barrels. Blued finish..... **$17.00**
No. **53N.** Nickel finish..... **17.00**
No. **54.** For .38 Long Colt's or S. & W. Special cartridges. Blued finish. **17.00**
No. **54N.** Nickel finish..... **17.00**

MODEL 1908 .44 CALIBRE

The same as Model 1905, but chambered for the .44 S. & W. Special, although the .44 S. & W. Russian can be used; barrel 6½ inches.

No. **55.** .44 S. & W. Special, or .44 S. & W. Russian. Blued steel.....**$19.00**
No. **55N.** Nickel finish..... **19.00**
No. **56.** With target sights, blue finish only..... **25.00**

PERFECTED SINGLE SHOT .22 CALIBRE



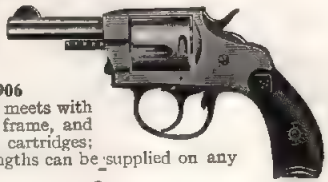
This arm supersedes the old model and is much improved. The new lock work gives a perfect pull and the balance is excellent. For long or long rifle .22 calibre cartridges.

No. **57T.** 10 inch Blue finish barrel, wood stock.....**$15.00**

Delivery Prepaid in U. S. if Cash is Sent with Order at Above Prices.

H. & R. REVOLVERS

Harrington & Richardson Arms Co. guarantee in the manufacture of their arms that the best materials and skilled labor are employed.



DOUBLE ACTION MODEL 1906

A double action 7-shot revolver which meets with favor everywhere. It has a small, light frame, and handles either .32 short or long rim fire cartridges; 2½-inch barrel is regular, but longer lengths can be supplied on any model. See "Extras" below.

No. **80.** .22 cal., Nickel.....**$1.95** Blue.....**$2 20**

DOUBLE ACTION MODEL 1905

A little different in design from the model 1906, but of the same general construction; 5 shot, 2½ in. barrel regular.

No. **81.** .32 cal., R. F., Nickel.....**$1.95** Blue.....**$2.20**
No. **82.** .32 cal., C. F., Nickel.....**1.95** Blue.....**2 20**

DOUBLE ACTION MODEL 1904

Similar to but much heavier than Model 1905. Weight 16 ounces.

No. **83.** .32 cal., 6 shot, C. F., Nickel.....**$1.95** Blue.....**$2 20**
No. **84.** .38 cal., 5 shot, C. F., Nickel.....**1.95** Blue.....**2 20**

Extras: with 4½-in. barrel, 25c.; 6-in. 50c.; Pearl Stocks, $1.25.

PREMIER AUTOMATIC DOUBLE ACTION

This is a popular model, having a small light frame, the .32 calibre weighing only 12 ounces. By opening the revolver in the usual manner, "breaking" the barrels the shells are ejected automatically. It works smoothly and is an accurate shooter.

No. **89.** .22 cal. R. F. 7 shot, 2 or 3 in. barrel, Nickel **$3.25** Blue **$3.55**
No. **90.** .32 cal. C. F. 5 shot, 2 or 3 in. barrel, Nickel **3.25** Blue **3.55**

AUTOMATIC DOUBLE ACTION

Similar to the Premier but with a heavier and larger frame.

No. **91.** .32 calibre, 6 shot, 3¼-in. barrel.....Nickel **$3.25** Blue.....**$3.55**
No. **92.** .38 calibre, 5 shot, 3¼-in. barrel.....Nickel **3.25** Blue.....**3.55**

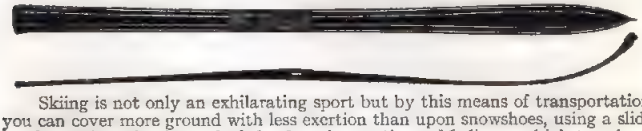
POLICE PREMIER AUTOMATIC DOUBLE ACTION

Can be drawn from the pocket without catching in the clothes and can be thumb-cocked by pulling the trigger until the hammer catches on the halfcock notch. Same general construction as above, but with safety style hammer.

No. **93.** .22 cal., R. F., 7 shot, 3-in. barrel, Nickel **$3.25** Blue.**3.55**
No. **94.** .32 cal., C. F., 5 shot, 3-in. barrel, Nickel **$3.25** Blue.**3.55**
No. **95.** .32 cal., 6 shot, 3¼-in. barrel .....Nickel **$3.25** Blue **$3 55**
No. **96.** .38 cal., 5 shot, 3¼-in. barrel.....Nickel **3.25** Blue **3.55**

Delivery Prepaid in U. S. if Cash is Sent with Order at Above Prices

SKIS



Skiing is not only an exhilarating sport but by this means of transportation you can cover more ground with less exertion than upon snowshoes, using a sliding forward motion instead of the dragging motion. Medium or high top shoes with heavy soles are best for skiing.

"AMATEUR" QUALITY NORWAY PINE SKIS

Made from absolutely clear No. 1 selected stock; finished in boiled oil and varnish. They are intended for boys or girls who do not want to invest a larger amount. Equipped with metal side plates, toe straps and rubber foot rests.

No. **4P.** 4 feet long. Pair.....**$1.00** No. **6P.** 6 feet long. Pair.....**$1.50**
No. **5P.** 5 feet long. Pair..... **1.25** No. **7P.** 7 feet long. Pair..... **2.25**

MAPLE SKIS IN MAHOGANY FINISH

These are made of the best quality selected maple, in a beautiful mahogany finish, with fancy grooved white stripes. They are supplied with metal side plates, heavy toe straps, and corrugated rubber foot rests.

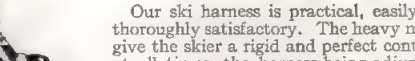
No. **6M.** 6 ft. long. Pair.....**$2.50** No. **76M.** 7½ ft. long. Pair...**$3.50**
No. **7M.** 7 ft. long. Pair..... **3.00**

STANDARD QUALITY ASH SKIS

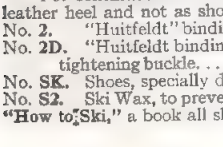
Made of selected quality, white ash, finished in black with grooved white stripes. They are supplied with metal side plates, toe straps and corrugated rubber foot rests.

No. **7A.** 7 feet long. Pair.....**$4.25** No. **8A.** 8 feet long. Pair.....**$5.25**
No. **76A.** 7½ feet long. Pair... **4.75**

SKI POLES



No. **3A.** White ash, with rigid washer.....**$ .75**
No. **3B.** Bamboo, with flexible washer.....**1.00**



"HUITFELDT" SKI BINDING

Our ski harness is practical, easily adjusted and thoroughly satisfactory. The heavy metal side irons give the skier a rigid and perfect control of his skis at all times, the harness being adjustable in every way so as to fit any size of foot.

For continuous service the correct position of the strap is around the solid leather heel and not as shown in illustration.

No. **2.** "Huitfeldt" binding, single leather with tongued buckle. Per set..**$1.75**
No. **2D.** "Huitfeldt binding," doubled and stitched with Hoyer Ellefstens tightening buckle..... **2.25**
No. **SK.** Shoes, specially designed for Skiing. Pair..... **7.00**
No. **S2.** Ski Wax, to prevent Snow sticking. Tube..... **.25**
"How to Ski," a book all skiers should have, postpaid..... **.50**

SLEDS AND TOBOGGANS

FLEXIBLE FLYER SLEDS

"Flexible Flyers" are a decided improvement over the ordinary sled on account of the spring steel runners and the cross bar which controls the direction of the sled by a simple pressure against the steering bar. The runners are grooved to prevent skidding and are much speedier than flat or rounded runners.

No. **1.**	38	inches	long,	for one child..... **$2.50**
2.	42	"	"	for one adult or two children..... **3.00**
3.	47	"	"	for two large children or two adults..... **3.75**
4.	52	"	"	for three children or two heavy adults..... **4.50**
5.	63	"	"	for three adults or several children..... **6.00**
R.	56	"	"	Racer, built low and light for speed..... **4.25**
J.	49	"	"	Junior Racer, for young Boys..... **3.50**
T.	60	"	"	Tuxedo. Racer, light, strong, racy..... **6.00**

THE "METEOR" TOBOGGAN

This new model is a first-class, high-grade toboggan, for those who want the best. It is light, springy and built for hard service. Made from the best of selected stock and finished with the greatest care. The two outside and the middle ribs are made of oak or white ash and are heavier and thicker than the other strips or slats between, thus reducing the friction of the snow and making them more speedy. All sizes are finished with the best of varnish. The illustration shows wooden side rails, but rope handles will be regularly furnished unless otherwise specified.

No. **22.** 6 feet, **$8 00** No. **23.** 7 feet, **$9.00** No. **24.** 8 feet, **$10.00**

THE "STAR" TOBOGGAN

This is a medium priced toboggan that will give a good measure of satisfaction. The wood is well selected, and carefully put together. The low wooden side rails are strong and the curved front is well shaped and held down by leather thongs.

No. **11.** 5 feet, **$3.50** No. **12.** 6 feet, **$4.00** No. **13.** 7 feet, **$4.50**

TOBOGGAN CUSHIONS

These cushions are covered with good quality brown canvas, well padded and tufted. Supplied with leather straps for attaching to toboggans.

No. **C3.** 3¼ ft. long, for 5-ft. toboggans **$1.50** No. **C5.** 5¼ ft. long, for 7-ft. toboggans **$2 50**
No. **C4.** 4¼ ft. long, for 6 ft toboggans **2 00** No. **C6.** 6¼ ft. long, for 8-ft. toboggans **3.00**

[Add 10% to Above Price to Cover Free Delivery in U. S. A.

SCALES FOR EXPORT

PORTABLE PLATFORM SCALES

✠MOUND CITY

A Good, Serviceable Scale at a Moderate Price. Black Japanned Cast Iron Frame and Wheels; Pillar and Cap are Painted Blue, Striped and Varnished; Brass Beam and Sliding Poise; Cast Iron Weights.

Marked in Kilos

	Capacity 400 Kilos by 20 Grams	Size Platform, Inch	Weight Each Lbs.	Each
No. M800M—		16¾x24	150	$28 00

One in a Box

COUNTER SCALES

✠DIAMANTE

Diamante Counter Scales are Designed and Built Especially to Meet the Requirements of the Hardware Dealer

The Bearings are Case Hardened Tool Steel, Sharp, Clean Cut and Very Sensitive; the Levers are All Steel, not Cast Iron, and will Stand the Most Severe Usage; Painted Vermilion, Striped in Gold.

The Beam and Poise are [illegible] Polished and Guaranteed to be Accurately Graduated; the Upper Edge of the Beam is Smooth and the Sliding Poise Moves Easily and Quickly without Friction.

Capacity 120 Kilos by 20 Grams, Size of Platform 12¼x9½ Inches; Size of Scoop 20½x[illegible] Inches

SINGLE BEAM, WITH FORK

	Each
Diamante—With Brass Scoop; Weight Each 50 lbs.	$12.50

One in a Box

COUNTER SCALES

✠MOUND CITY UNION

Steel Bearings, Cast Iron Frame, Pillar, Platform, Levers, Poises and Weights, Iron Parts Black Japanned, Striped in Gold; Capacity, [illegible] Kilos by 20 Grams; Size of Platform [illegible] Inches; Size of Scoop [illegible] Inches.

No. M240TM—With Tin Scoop, Each $5 00

One in a Box

HATCH PATTERN TEA

No. HPT3M—Capacity 2 Kilos by 10 Grams; Japanned Cast Iron Frame, Levers and Weights; Length of Base 9½ inches; Tin Scoop, Size 12x5½ inches; Weight Each 9 lbs.

Each $1 70

Quarter Dozen in a Box

SLANTING DIAL FAMILY SCALES

Marked in Kilos

The Dial is Set at an Angle and Can be Read Without Stooping; Platform Does Not Shade Dial; Figures and Markings are Plainly Marked; Frame is Black Enameled, Aluminum Bronze, Decorated.

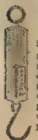
WITH PLATFORM AND SCOOP

	Each
No. 025M—Capacity 10 Kilos by 5 Grams; Height About 1[illegible] Inches; Tin Scoop, Size 12¾x7¼ Inches; Weight Each 4¼ lbs.	$2 50

One in a Box

SPRING BALANCES

Marked in Kilos



STRAIGHT, LIGHT

Black Japanned, Stamped Steel Case; Polished Brass Face; Stamped Figures and Lines, Tinned Steel Hook and Ring.

No.	20M
Capacity, Kilos	[illegible]
Graduation, Kilos	[illegible]
Length, Case, Inches	5
Width, Inches	1½
Length Over All, Inches	9
Weight per Dozen, Lbs.	[illegible]
Per Dozen	$1 50

One Dozen in a Box

STRAIGHT, HEAVY

Black Japanned Stamped Steel Case; Polished Brass Face; Stamped Figures and Lines; Tinned Steel Hook and Ring.

No.	50M
Capacity, Kilos	[illegible]
Graduation, Kilos	[illegible]
Length, Case, Inches	[illegible]
Width, Inches	[illegible]
Length Over All, Inches	[illegible]
Weight per Dozen, Lbs.	[illegible]
Per Dozen	$9 00

Half Dozen in a Box

SOUTHERN COTTON SCALES

Varnished Hardwood Frame, Wrought Iron Cross Bars, Levers and Bolts; Malleable Iron Braces at Joints, Floor Space Occupied, 8 feet 11 inches by 8 feet 4 inches; Height under Cross Bar 7 feet; Complete with Wrought Iron Chain Down Haul and Cotton Hooks, Cast Iron Balance Poise and 16 lb. Poise.

CAPACITY 700 POUNDS

	Each
No. 431—Japanned Iron Beam; Notched Top.	$73. 50
✠No. 433—Polished Steel Beam; Notched Top.	88 00
No. 435—Japanned Iron Beam, Smooth Top.	20 00
No. 437—Polished Steel Beam; Smooth Top.	80 00

CAPACITY 800 POUNDS

✠No. 432—Japanned Iron Beam; Notched Top	188 00
✠No. 434—Polished Steel Beam; Notched Top	102 00
No. 436—Japanned Iron Beam; Smooth Top.	96 00
No. 438—Polished Steel Beam; Smooth Top	110 00

One Outfit in a Bundle; Weight Each About 155 lbs.

✠EXTRA PARTS FOR SOUTHERN COTTON SCALES

FRAMES ONLY

	Each
Frame for 700 lb. Capacity Scales	$42 00
Frame for 800 lb. Capacity Scales	57 00

Average Weight Each about 90 lbs.

BEAMS ONLY

Capacity 700 Pounds

	Each
Japanned Iron; Notched Top.	$43 00
Japanned Iron; Smooth Top.	43 00
Polished Steel; Notched Top.	62 00
Polished Steel, Smooth Top.	62 00

Average Weight Each 40 lbs.

Capacity 800 Pounds

	Each
Japanned Iron; Notched Top.	$52 00
Japanned Iron, Smooth Top	52 00
Polished Steel; Notched Top.	71 00
Polished Steel; Smooth Top.	71 00

Average Weight Each 50 lbs.

✠CHAIN DOWN HAULS

	Each
Wrought Iron; Length Over All 4½ feet; Weight Each 2½ lbs.	$4 80

Loose

✠COTTON HOOKS

	Each
Wrought Iron, Length Over All 3½ feet; Weight Each 3 lbs.	$3.00

Loose

SCALE BEAMS

STANDARD

Tested by Sealed Weights

Forged Iron, Black Japanned, Red Striped; White Figures and Markings. Complete with Cast Iron Poises.

Nos.	[illegible]	[illegible]	[illegible]	[illegible]	300	400	[illegible]	[illegible]	[illegible]
Capacity, Lbs.	50	[illegible]	250	300	500	[illegible]	[illegible]	[illegible]	600
Poises, Lbs.	[illegible]	[illegible]	[illegible]	4&3	4&8	[illegible]	[illegible]	[illegible]	5&16
Weight Case, Lbs.	57	60	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	240
Each	$ 50	1 60	1 90	2 [illegible]	2 [illegible]	2 50	3 5[illegible]	[illegible]	5 90
	2 80	2 60	3 30	2 60	3.00	[illegible] 60	4 20	4 80	6 40

SCALE BEAM POISES

Cast Iron, Painted.

Nos.	1	2	4	5	6
Weight, [illegible]	1	2	4	5	[illegible]
[illegible]	$0 50	[illegible]	[illegible]	1 70	[illegible]

Loose

STEELYARDS

HART'S PATTERN.

Polished Malleable Iron Hooks; Balanced Head and Stop. Head and Poise Painted Black

		Per Dozen
✠No. 50—Capacity [illegible] lbs. by [illegible] ozs., Weight per Dozen 60 lbs.	$14. 40	9. 00
No. 100—Capacity 100 lbs. by 2 ozs., Weight per Dozen 65 lbs.	15. 00	10. 00
No. 150—Capacity 150 lbs. by 4 ozs.; Weight per Dozen [illegible] lbs.	19. 20	12 00
No. 200—Capacity 200 lbs. by 4 ozs.; Weight per Dozen [illegible] lbs.	24. 00	15. 00
✠No. 250—Capacity 250 lbs. by 4 ozs. Weight per Dozen 105 lbs.	28. 80	18. 00
✠No. 300—Capacity 300 lbs. by 4 ozs. Weight per Dozen [illegible] lbs.	33 60	21 00

Half Dozen in a Box

SCALE WEIGHTS

Cast Iron

For Counter Scale

Wt. Ozs.	¼	½	1	[illegible]
Each	$0 50	50	60	60

Wt., Ozs.	4	8	16
Each	$0.80	70	.70

Wt., Lbs	2	4	8
Each	$1 00	1 50	2 80

Loose

Weights in Sets

	Per Set
Set of 6, from ¼ to 8 ozs	$1 50
Set of 7, from ¼ to 16 ozs	2 50

Loose

TEST WEIGHTS

UNITED STATES STANDARD

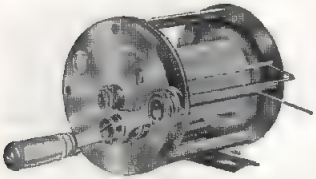
Weight 50 lbs. Made of Gray Iron.

	Each
No. TW50S—Sealed	$7 00

Loose

Items Marked ✠ Not Carried in Stock; Can Only be Furnished by Shipping Direct from Factory; Southern Cotton Scales and Extra Parts From New York City or St. Louis; Chain Down Hauls and Cotton Hooks from New York City or St. Louis; Steelyards from Cleveland, O.

SOUTH BEND ANTI-BACK-LASH CASTING REEL



This "anti-back-lash" reel works just as if it were thumbed by an expert, the spool being free when the bait is going out and the brake is automatically applied without any attention from the user with just the proper force as the line slackens at the end of the cast. When the bait is attached for casting, the brake should be adjusted by the adjusting screw on the crank side of the reel. Screwing in this adjusting screw increases the brake action, while screwing it out decreases it or the brake may be entirely released.

Solid German silver frame; very light, strong and rigid. The spool and gear journals are of special steel, accurately turned, ground, lapped and burnished to mirror-like surface, turning in solid phosphor bronze bushings. The end thrust is supported by adjusted jeweled spool-journal caps of screw-off pattern.

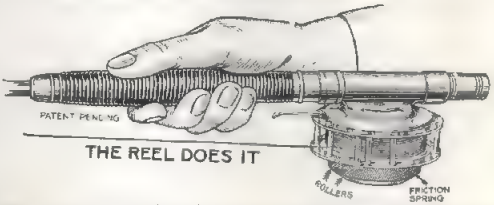
The gearing consists of a special hunting tooth train, the gear of which is cut from hard drawn brass and the pinion from special tool steel which, in action, produces a powerful, yet quiet, free running reel.

No. BB. Capacity 100 yards.....$7.50

"MEISSELBACH" AUTOMATIC REELS

It is automatic in its action, reeling in the line upon a slight pressure of the controlling lever, keeping the line taut at all times after fish is hooked.

The reel can be used on reel-seat above or below. Particularly desirable for brook trout or fly fishing, where the line has to be lengthened and shortened so many times in fishing around brush, etc. A fish once hooked can never get any slack line, if the finger is kept on the brake controller. The spring is not supposed to be strong enough to reel in a large fish, the primary object being to do away with hand reeling. It can be wound up at any time by turning the milled spring box, without danger of overwinding.



No. 33. Size of spool, 3x¾ inch. Capacity, 100 yards of No. 5 line.....$3.25

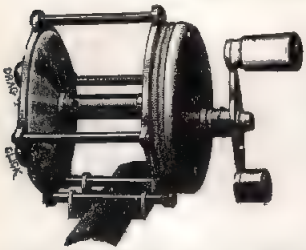
THE KELSO AUTOMATIC REEL

Similar in design and mechanism to the "Meisselbach" but with aluminum case. It is large enough for bass fishing and light enough for trout, as it can be wound up to give desired tension on line. It requires very little winding as the stripping of line, when controlling lever is not used, rewinds the spring.

No. 44. Spring capacity 150 feet, spool holds 100 yards, each.....$3.25

Delivery Prepaid if Cash is Sent with Order at Above Prices

SALT WATER REELS



THE "BRIGHTON"

These are fair quality reels, double multiplying, and adapted to ordinary salt-water fishing. They have raised pillars and are put together with screws. Supplied with balance handles, back sliding clicks and drags. They are well finished in polished nickel plate.

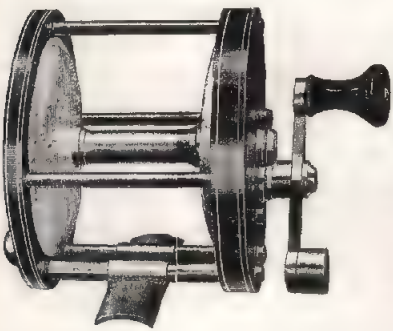
No. **666.** 150 yds..**$1.00** Delivered **$1.10**
No. **667.** 200 yds.. **1.25** Delivered 1.35

THE "CLIMAX"

These Double Multiplying Reels are particularly suitable for heavy salt water fishing, the gears being cut extra heavy. They all have balanced handles, adjustable sliding click and drag.

They are made all metal with heavy nickel plated side plates.

No. **206.** All metal, 150 yds....**$1.45** No. **208.** All metal, 250 yds....**$1.75**



THE "CORONADO"

This is a very good quality reel, being made with solid rubber side plates and nickel plated spools. The pivots are fine quality steel which insures long life and easy running qualities. It is double multiplying and the crank is evenly balanced. The handle is made of rubber and is the correct shape and size for handling heavy fish. The sliding click and reel seat plate are built extra strong.

No. **406.** 150 yards. Pillar 2 inches, disc 2 13/16 inches, each.....**$2.75**
No. **407.** 200 yards. Pillar 2 inches, disc 3 1/16 inches, each..... **3.25**
No. **408.** 250 yards. Pillar 2 1/16 inches, disc 3 5/16 inches, each..... **3.75**
No. **409.** 300 yards. Pillar 2 1/16 inches, disc 3⅝ inches, each..... **4.25**

THE "IDLEWILD" SURF CASTING

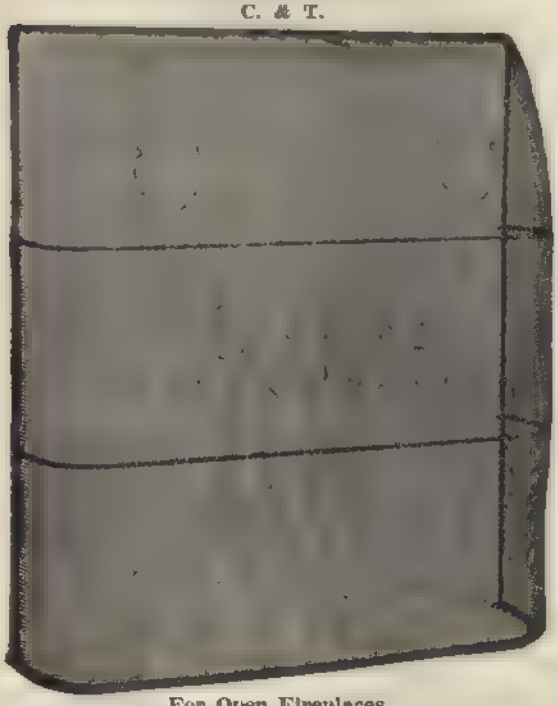
Similar to the "Coronado", but with strong metal side plates.

No. **107.** 200 yards. Pillar 2 inches, disc 3⅛ inches.....Each **$2.50**
No. **109.** 300 yards. Pillar 2 inches, disc 3¾ inches.....Each **3.00**

Delivery Prepaid in U. S. if Cash is Sent with Order at Above Prices

SPARK GUARDS

C. & T.



For Open Fireplaces.
Iron Rod Frame, ⅞ in. Mesh Filling, Black Japan Finish, with Brass Wire Scrolls and Handles.

Width, Inches.....	28	31	32	34
Height, Inches.....	30	31	33	35
Depth, Inches.....	6½	7	7½	8
Each	$3 75	4 00	4 25	4.50
Width, Inches.....		37	43	49
Height, Inches.....		31	31	31
Depth, Inches.....		8½	8½	9
Each		$5 00	6.50	8 50

All Brass

Width, Inches.....	28	31	32	34
Height, Inches.....	30	31	33	35
Depth, Inches.....	6½	7	7½	8
Each	$8 50	9 00	9 50	10.00
Width, Inches.....		37	43	49
Height, Inches.....		31	31	31
Depth, Inches.....		8½	8½	9
Each		$10.00	14 00	17 00

FLAT SPARK ARRESTORS

EXCELSIOR

For Open Fire Places, with 2x6 in. Slots for Andirons, Heavy Wrought Iron, Brass Bound, Japanned.

Nos.	1350	1351	1352	1353	1354
Width, Inches.	30	32	37	43	49
Height, Inches.	30	31	31	31	31
Each	$9 00	10.00	12.00	14.00	16.00

All Brass.

Nos.	2350	2351	2352	2353	2354
Width, Inches	30	32	37	43	49
Height, Inches	30	31	31	31	31
Each	$16.00	18 00	20 00	22 00	24 00

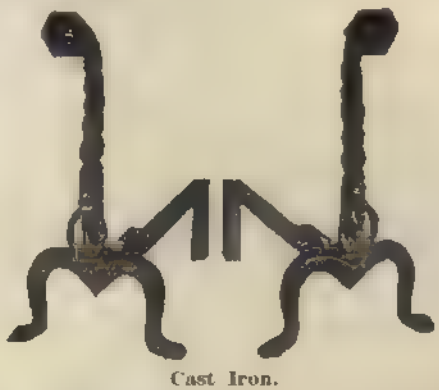
Note—We can furnish other styles and sizes of Spark Guards and Arrestors. Price upon application

ANDIRONS

Cast Iron.

Per Pair

No. 3000½—Berlin Black Finish, 21½ in. High, Wood Rests, 14½ in. Deep.....$.....
Weight Per Pair 18¼ Pounds



Cast Iron.

Per Pair

No. 3024—Berlin Black Finish, 18¼ in. High Wood Rests, 13¾ in. Deep.....$....
Weight Per Pair 15⅛ Pounds.

ANDIRONS

Cast Iron.

Per Pair

No. 3032—Berlin Black Finish, 20 in. High, Wood Rests, 19½ in. Deep, with Back Heads.....$.....

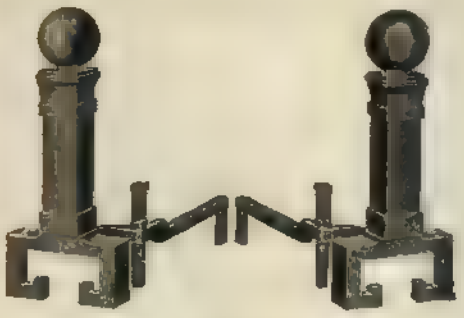
Weight Per Pair 23¾ Pounds.

Cast Iron.

Per Pair

No. 3053½ Berlin Black Finish, 18 in. High, Wood Rests 17 in. Deep.....$.....

Weight Per Pair 22½ Pounds



Cast Iron.

Per Pair

No. 3054 Berlin Black Finish 25½ in. High, Wood Rests 24½ in. Deep, with Back Heads. $.....

Weight Per Pair 70 Pounds.

Cast Iron.

Per Pair

No. 3061—Berlin Black Finish 13 in. High, Wood Rests 19½ in. Deep with Back Heads. . . . $.. .

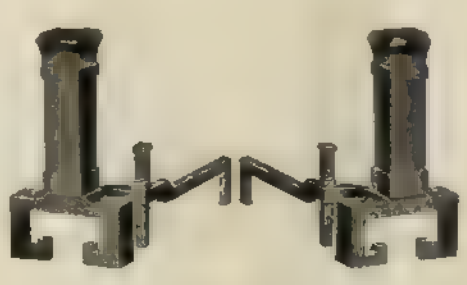
Weight Per Pair 24¼ Pounds

Cast Iron.

Per Pair

No. 3064 Berlin Black Finish 16 in. High Wood Rests 25 in. Deep, with Back Heads.....$.....

Weight Per Pair 49¼ Pounds.



Cast Iron.

Per Pair

No. 3035—Berlin Black Finish 20½ in. High Wood Rests 24½ in. Deep, with Back Heads..$.....

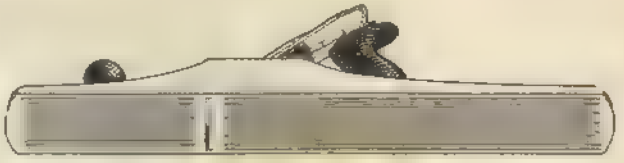
Weight Per Pair 51¾ Pounds.

STANLEY "BED ROCK" PLANES

CORRUGATED BOTTOM

No. 603

No. 606



No. 607C

Smooth

No. 603C 8 inches, 1¾ inch cutter, weight each 3 pounds, each $2 30
No. 604C 9 inches, 2 inch cutter, weight each 3½ pounds, each 2 50
No. 604½C 10 inches, 2¼ inch cutter, weight each 4½ pounds, each 3 00

Jack, Fore and Jointer

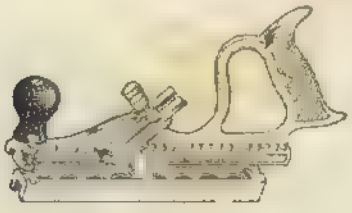
No. 605C Jack, 14 inches, 2 inch cutter, weight each 4½ pounds, each $3 00
No. 606C Fore, 18 inches, 2⅜ inch cutter, weight each 7½ pounds, each 3 75
No. 607C Jointer, 22 inches, 2⅜ inch cutter, weight each 7¾ pounds, each 4 40

STANLEY MISCELLANEOUS PLANES

Improved Rabbet

No. 190 8 inches, 1½ inch cutter, with spur, weight each 2½ pounds each $1.25
No. 191 8 inches, 1¼ inch cutter, with spur, weight each 2¼ pounds, each 1.25
No. 192 8 inches, 1 inch cutter, with spur, weight each 2 pounds, each 1.25
Extra cutters, each ..... .20

This plane will lie perfectly flat on either side and can be used equally well with right or left hand while planing into corners or up against perpendicular surfaces. Fitted with detachable depth gauge



Tonguing and Grooving

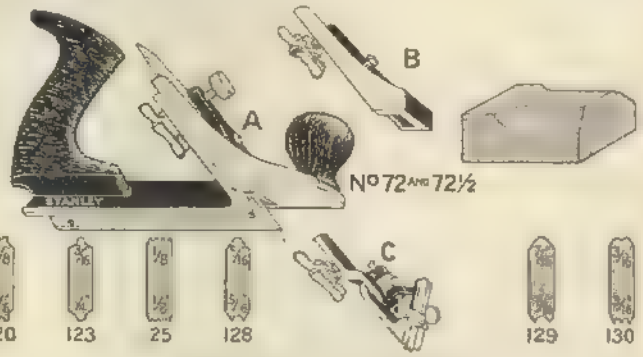
No. 48 Cuts ⅜ inch groove on ¾ to 1¼ inch boards, weight each 3 pounds each $2 75
No. 49 Cuts ⅜ inch groove on ½ to ¾ inch boards, weight each 3 pounds each 2 75
Extra cutters, each ..... .20

This form has two plow cutters of the same width, and one extra wide cutter. The fence in one setting exposes two cutters for cutting the tongue, and, when reversed, leaves only one exposed for cutting the groove. On thicker boards than the plane works on center, the extra wide cutter is substituted for groove cutter when cutting tongue. Nickel plated. Rosewood knobs.

Rabbet and Filletster

No. 78 8½ inches, 1⅛ inch cutter, weight each 3 pounds, each $1.65
Extra cutters, each ..... .20

This plane has two seats for the cutter, one for regular work and the other where a bull nose is required. It has a spur and a removable depth gauge. The adjustable fence can be used on either side and slides under the bottom, regulating the width of the cut.



Adjustable Chamfer Plane

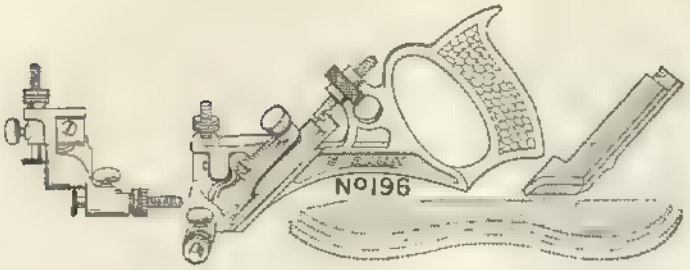
No. 72 9 inches, 1⅝ inch cutter, japanned, weight each 3½ pounds, each $2.20
No. 72½ 9 inches, 1⅝ inch cutter, 6 moulding cutters, weight each 4¼ pounds, each 3.30
Extra cutters, each ..... .05

This plane will do perfect chamfer or stop-chamfer work. It has a ninety degree V bottom which acts as a mitre guide. To this is attached an adjustable front "A" having a flat bottom which carries the cutter; this front can be set for different sizes of chamfer. Front "A" can be readily detached and a bull nose front "B" (furnished with the plane) substituted, permitting the plane to be worked close up into corners. Rosewood handle and knob

An additional front section "C" can be substituted for either "A" or "B." This attachment, together with 6 moulding cutters sharpened at both ends, makes possible the working of a variety of ornamental forms. With this front the plane is known as No. 72½. Extra moulding cutters 5 cents each.

STANLEY MISCELLANEOUS PLANES

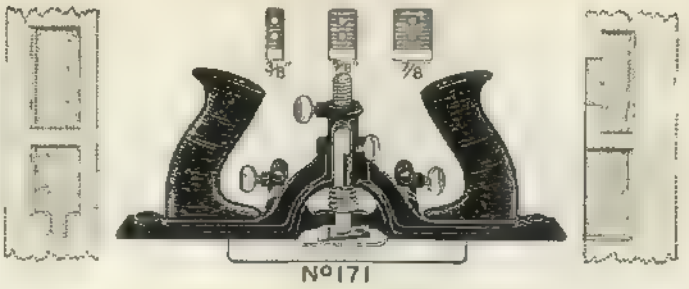
CURVE RABBET PLANE



This tool will cut rabbets on circular or other curved and irregular edges. It works equally well whether the rabbet is to be cut on the outside edges of the work or on the edges of openings cut out of the surface of the work. It is provided with two cutters fastened together by a screw in such relation one to the other as the work in hand requires. The upper cutter acts as a spur for the lower and also cuts the side of the rabbet. The lower cutter is a skew cutter which follows the spur and cleanly cuts the bottom of the rabbet. The stock and handle are cast in one piece. The plane is fitted with an adjustable depth gauge. The fence is also adjustable and has a curved face.

No. 196 9 inches long, nickel plated, weight 3 pounds, each $4 00

STANLEY DOOR TRIM PLANE



This new plane will make mortises for butts, face plates, strike plates, escutcheons, etc., up to a depth of ⅝ and a width of 3 inches. Its original feature is the method of mounting the cutter, which can be instantly set to work from either end of the plane or across it. In addition, the cutter is cushioned by a spring which prevents taking a heavier chip than can be easily carried. A fence regulates the position of the cut and insures the sides of the cut being parallel. The depth of the cut is governed by a positive stop.

By removing the fence and locking the cutter post with the thumb screw instead of using the spring a very superior router plane is obtained. The bottom is designed so that an extra wooden bottom of any size desired can be screwed on, enabling the user to router on large openings. The two handles as shown in the illustration are of rosewood. Three forged steel cutters ⅜, ½ and ⅝ inch wide are furnished with the tool.

No. 171 11 inches long, japanned, weight 3 pounds, each.. $2 75
Extra cutters, per set... 40

SKEW CUTTER FILLETSTER AND RABBET PLANE

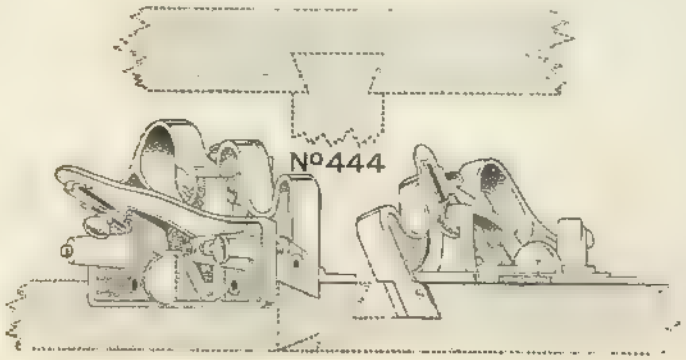
This plane has an extra wide skew cutter. An adjustable spur is fitted to each side. The fence and depth gauge can be attached to either side; the plane is therefore suitable for right or left hand work. The adjustable fence slides under the bottom, regulating the width of the cut. Remove arms and fence, and a skew cutter rabbet plane is obtained.

No. 289 8½ inches long, 1¾ inch cutter, japanned, weight 3¼ pounds, each..... $1 75
Extra cutters, per set... 30

STANLEY EDGE TRIMMING PLANE

Designed especially for trimming or smoothing the ends of boards such as sidings, etc., for a square or close fit. It has a right angle rest or guide from the cutter edge and the cutter works on a skew, giving an easy shaving cut. In the rest or guide are two screw holes to which wood blocks of various bevels may be attached, enabling the user to make a slanting cut.

No. 95 6 inches long, ⅜ inch cutter, japanned, weight 1¼ pounds, each $1 15
Extra cutters, per set.... 30



STANLEY DOVETAIL TONGUE AND GROOVE PLANE

This novel tool accomplishes a result sought for many years by woodworkers in general, namely, to form a dovetail tongue and groove with one hand tool.

It will cut any size grooves and tongues to fit with sides at flare of 20 degrees, where the width of the neck is more than one-quarter of an inch and the depth of groove not more than three-quarters of an inch. The tongue and groove are cut separately, and can be made with parallel or tapering sides. A circular containing instructions for assembling and operating is packed with each tool, or will be sent upon request. This circular also gives valuable suggestions as to the use of dovetail joints.

The compactness of the tool is shown in the illustration, where the cut on the left shows the plane assembled for cutting the tongue, and that on the right the plane assembled for cutting the groove.

No. 444 9 inches long, nickel plated, weight 6 pounds, each $6.00

STANLEY MISCELLANEOUS PLANES

BELT MAKERS' PLANE

No. 11 Adjustable, 5½ inches long, 2⅛ inch cutter, weight each 3½ pounds, each $2.20

This plane is used by belt makers for chamfering down the ends or laps of belts before fastening them together.

VENEER SCRAPER

No. 12 Adjustable, 6¼ inches long, 3 inch cutter, weight each 3¾ pounds, each $2.40

Rosewood handles with double grip. Blades are adjustable endwise and for angle, and can be firmly locked in position desired.

WOODWORKERS' ROUTER PLANE

This plane is adapted to smooth the bottom of grooves, panels or all depressions below the surface of any woodwork. It has an adjustment for regulating the thickness of the chip, and a screw attachment for closing the throat for use on narrow surfaces. A ¼ and ⅛ inch cutter are furnished with each plane. Cutters have screw adjustment, and can be held as shown in illustrations or on the back of the cutter post for bull nose work.

No. 71 7½ inches long, nickel plated, weight 2⅝ pounds . . . . . each, $2.05

VENEER SCRAPER PLANES

This tool is used for scraping and finishing veneers or cabinet work. It can be used equally well as a Tooth Plane, and will do excellent work in scraping off old paint or glue. It is also useful in roughing up the surface of wood preparatory to applying veneer.

No. 112 Adjustable, 9 inches long, 3 inch blade, weight each 4 pounds . . . . . each, $2.10
Extra blades for scraping . . . . . each, .20
Extra tooth blades, 22, 28 or 32 teeth to the inch . . . . . each, .30

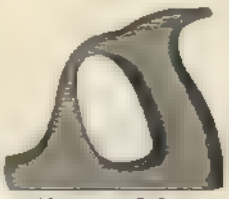
One plane in a box

PLANE HANDLES

Jack

No. 10 For Jack Planes, beechwood, weight per dozen 2½ pounds, per dozen $0.42
No. 12 For Fore or Jointer Planes, beechwood, weight per dozen 3½ pounds, per dozen 75

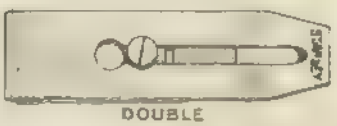
One dozen in a box



Fore or Jointer

PLANE IRONS

SINGLE

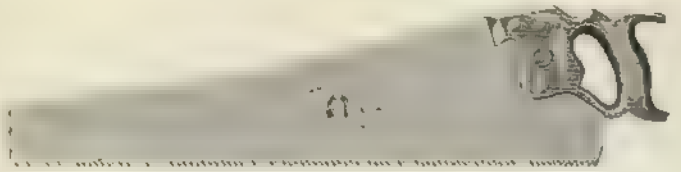


DOUBLE

For Stanley and Bailey Bench Planes

	Single, Each	Weight Dozen	Double Each	Weight, Dozen
1 inch for Plane No. 1	$0.18	2¼ pounds	$0.32	3¾ pounds
1⅝ inch for Planes No. 2, 2C, 602, 602C	.21	2 pounds	.35	4 pounds
1¾ inch for Planes No. 3, 3C, 20, 20½, 21, 22, 23, 25, 113, 603, 603C	.23	2½ pounds	.38	5½ pounds
2 inch for Planes No. 4, 4C, 5, 5C, 9, 24, 26, 35, 604, 604C, 605, 605C	.25	3 pounds	.42	6¼ pounds
2⅛ inch for Plane No. 27	.27	3¼ pounds	.45	6½ pounds
2⅜ inch for Planes No. 51, 51C, 27½, 605½, 605½C	.28	3½ pounds	.47	7 pounds
2⅜ inch for Planes No. 4½, 4½C, 6, 6C, 7, 7C, 11, 28, 29, 30, 31, 36, 604½, 604½C, 606, 606C, 607, 607C	.29	4 pounds	.48	7½ pounds
2⅝ inch for Planes No. 8, 8C, 32, 33, 34, 37, 608, 608C	.32	5 pounds	.50	8 pounds

HAND SAWS



Cranberry, Skew Back

Superior Quality. Special Steel. Patent Temper. Fine Etched Blade, Ground Edge. Carved and Polished Applewood Handle. Warranted.

Cranberry Hand 26 inch blade, weight per dozen 28 pounds..... per dozen, **$27.00**

Cherokee, Skew Back

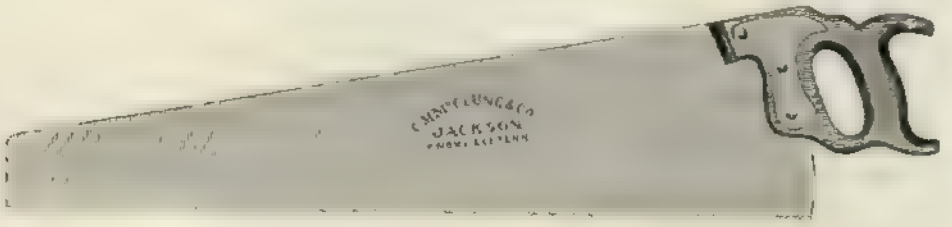
Extra Quality. Special Steel, Ground Edge. Etched Blade. Carved and Polished Applewood Handle. Warranted.

No. 80 Cherokee Hand 26 inch blade, weight per dozen 25 pounds ..per dozen, **$26.00**

Cumberland, Skew Back

Extra Quality. Cast Steel. Grained Blade. Ground Edge. Etched Beech and Hands. Polished Edges. Warranted.

No. 75 Cumberland Hand 26 inch blade, weight per dozen 24 ½ pounds .. per dozen, **$18.00**



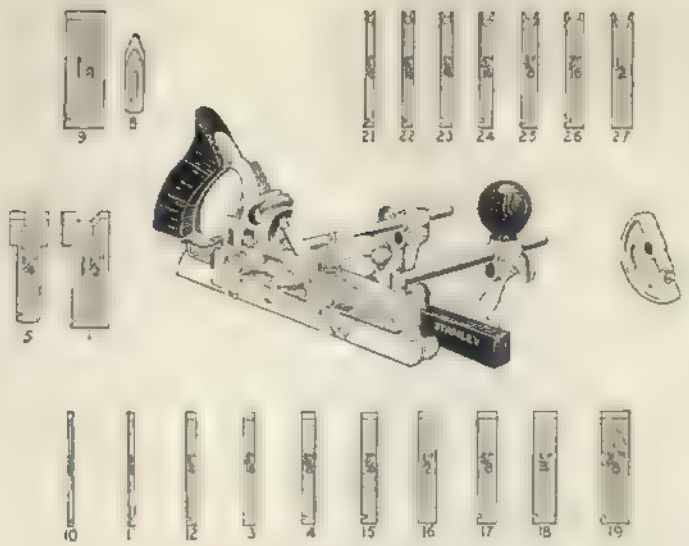
Jackson, Straight Back

Cast Steel. Walnut Handle, Polished Edges, with Steel Plate

No. 70 Jackson Hand 26 inch blade, weight per dozen 25 pounds... ... per dozen, **$14.00**

One third dozen in a box

STANLEY "FORTY-FIVE" PLANE



Seven tools in one in compact and practical form. 1 Beading and Center Beading Plane. 2. Plow. 3. Dado. 4. Rabbet and Filletster. 5. Match Plane. 6. Sash Plane. 7. Slitting Plane.

The plane has two principal parts, a main stock and a sliding section. The main stock carries the handle, cutter adjustment, a slitting tool, depth gauge, and forms a bearing for one edge of the cutter. The sliding section slides on two arms secured in the stock and has a bearing for the other edge, allowing cutters of different widths to be used. A fence also slides on these arms for use when working as a plow, beader or filletster, to gauge the distance from the cutter to the edge of the board, and to keep the cutter at right angles to same. When used as a filletster, the fence slides under the bottom of the plane and determines the width of cutter exposed to the work.

The plane is fitted with spurs for use across the grain, etc., and can be used either right or left hand. The handle, knob and fence are made of selected rosewood.

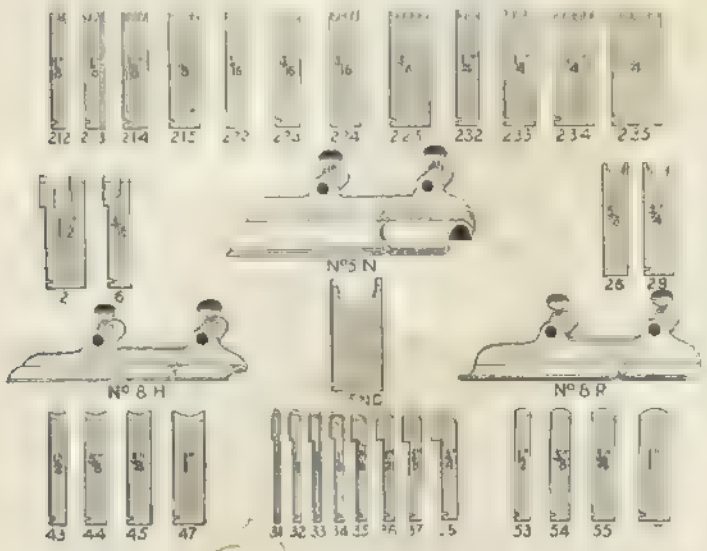
For beading at a distance from the edge of a board, attach cam rest (see cut at right of plane) to the front arm between the sliding section and fence to prevent the fence sagging. In certain work it is useful to attach the cam rest to the rear arm to prevent the plane from rocking. The plane together with its 21 cutters is packed in a steel box.

No. 45 Nickel plated, with 21 cutters, weight each 9¼ pounds, each $7 00

CUTTERS FURNISHED WITH "FORTY-FIVE" PLANE

The following cutters are furnished with each plane. The price is given in case duplicates should be required.

		Each
No. 1	1⅜ inch sash tool.	$0 [illegible]
No. 5	⅝ inch match tool	.50
No. 8	Slitting tool	.30
No. 9	1¼ inch filletster	.25
No. 10	⅛ inch plow and dado tool	.15
No. 11	inch plow and dado tool	.15
No. 12	¼ inch plow and dado tool	15
No. 13	inch plow and dado tool	15
No. 14	inch plow and dado tool	20
No. 15	inch plow and dado tool	20
No. 16	inch plow and dado tool	20
No. 17	⅜ inch plow and dado tool.	$0 20
No. 18	¼ inch plow and dado tool	20
No. 19	⅜ inch plow and dado tool.	25
No. 21	⅛ inch beading tool.	15
No. 22	⅛ inch beading tool	15
No. 23	¼ inch beading tool	15
No. 24	⅛ inch beading tool	20
No. 25	⅜ inch beading tool	20
No. 26	⅛ inch beading tool	25
No. 27	½ inch beading tool	25



SPECIAL BOTTOMS FOR "FORTY-FIVE" PLANE

In order to work hollows and rounds, or a nosing cutter in the No. 45 plane, it is necessary to substitute for the sliding section specially formed bottoms which are called by the same name as the cutters they are designed to carry, that is: Hollows, rounds or nosing tools.

A hollow and its cutters will form a ROUND on the moulding being worked. A round and its cutters will form a HOLLOW. A nosing tool and its cutters will form what might be called an exaggerated round. It is very largely used for shaping the edges of stair treads. Hollows and rounds are made in four sizes and are usually sold in sets, a set comprising one hollow, one round and two cutters. The price of a nosing tool includes one cutter. Extra nosing tool cutters (5 N C) $0 25 each.

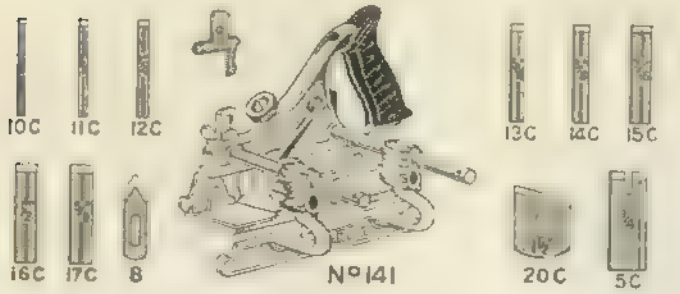
No. 6 Hollow and round, ½ inch cutters, work [illegible] circle, per pair $1 40
No. 8 Hollow and round, ⅝ inch cutters, work [illegible] circle, per pair 1 40
No. 10 Hollow and round, ¾ inch cutters, work [illegible] circle, per pair 1 50
No. 12 Hollow and round 1 inch cutters, work 1 [illegible] inch circle, per pair 1 50
No. 5 Nosing tool 1 [illegible] inch cutters, work 1 [illegible] inch circle, each 1 00

SPECIAL CUTTERS FOR "FORTY-FIVE" PLANE

		Each
No. 2	[illegible] inch sash tool	$0 50
No. 6	⅝ inch match tool	50
No. 28	[illegible] inch beading tool	30
No. 29	[illegible] inch beading tool	30
No. 31	⅛ inch fluting tool	.30
No. 32	¼ inch fluting tool	.30
No. 33	⅜ inch fluting tool	.30
No. 34	⅜ inch fluting tool	30
No. 35	⅛ inch fluting tool	.30
No. 36	½ inch fluting tool	.30
No. 37	⅝ inch fluting tool	.30
No. 38	¾ inch fluting tool	.30
No. 212	⅛ inch reeding tool, 2 beads	$0 20
No. 213	⅛ inch reeding tool, 3 beads	30
No. 214	[illegible] inch reeding tool, 4 beads	40
No. 215	⅛ inch reeding tool, 5 beads	50
No. 222	⅛ inch reeding tool, 2 beads	20
No. 223	⅛ inch reeding tool, 3 beads	30
No. 224	⅛ inch reeding tool, 4 beads	40
No. 225	inch reeding tool, 5 beads	50
No. 232	¼ inch reeding tool, 2 beads	20
No. 233	¼ inch reeding tool, 3 beads	30
No. 234	¼ inch reeding tool, 4 beads	40
No. 235	¼ inch reeding tool, 5 beads	50

STANLEY COMBINATION PLANES

BULL NOSE PLOW, FILLETSTER AND MATCHING PLANE



This plane has two interchangeable front parts that make it either an ordinary plow or a bull nose plow. With the bull nose attachment the cutter will easily work up to and into a ½ inch hole or any larger size, as in sash fitting, stair work, etc. It consists of a main stock, carrying a spur, depth gauge and slitting cutter (this stock accommodates plow cutters of different widths), a fence which can be set for either plow or filletster work, and a separate filletster bottom. It has a rosewood handle.

The cutters comprise 8 plow bits, 1/16, 1/8, 3/16, 1/4, 5/16, 3/8, 1/2 and 5/8 inch, a 1½ inch filletster cutter, a ¼ inch tonguing tool, and a slitting cutter.

No. 141 9¼ inches long, nickel plated, 11 cutters, weight 5½ pounds, each.....$5.00

PLOW, DADO, FILLETSTER AND MATCHING PLANE

Skew cutters are the feature of this plane. It consists of a main stock carrying a spur, a depth gauge and a slitting cutter, a sliding section carrying a spur and forming an extra sole for the plane, and a fence (rosewood face) which can be set for either plow or filletster work. It has a rosewood handle and knob

The cutters comprise 8 plow and dado bits, 1/16, 1/8, 3/16, 1/4, 5/16, 3/8 and 1¼ inch, a 1½ inch filletster cutter, a ¼ inch tonguing tool, and a slitting cutter.

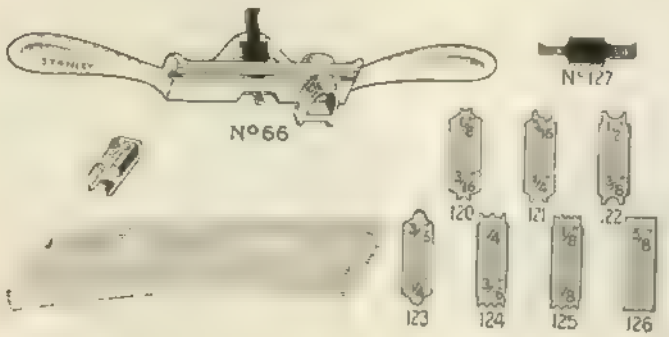
No. 46 10½ inches long, nickel plated, 11 cutters weight 5¼ pounds, each.....$5 00

DADO PLANE

This is the main stock with spur, slitting tool, depth gauge, and the sliding section with spur, used in plane No. 46, but without the fence, and with fewer cutters.

The cutters comprise 5 dado bits, 3/16, 1/4, 5/16, 3/8 and 1¼ inch, and a slitting cutter.

No. 47 10½ inches long, nickel plated, 6 cutters, weight 3¾ pounds, each.....$4 00



"UNIVERSAL" TWO HANDED BEADER

This is an excellent tool for beading, reeding or fluting straight or irregular surfaces, and for light routering. The sample illustrated shows some of the work that can be done with its use. With each beader are furnished a square gauge for straight work and an oval gauge for curved work. There are also furnished eight cutters sharpened at both ends and embracing the following assortment, 6 single beads, 1/16, 1/8, 3/16, 1/4, 5/16 and 1/2 inches, 2 fluting tools 1/8 and 1/4 inches, 4 reeding tools (2 beads 1/8 inch, 3 beads 1/4 inch, and 3 beads 1/8 inch, and 4 beads 1/8 inch), 2 routers 1/8 and 1/4 inch, and a 3/8 inch blank, which latter cutter the owner can file up as he desires.

The handles are curved so as to insure ample room between the workman's hands and the surface of the work. Made entirely of metal. Extra moulding cutters 5 cents each.

No. 66 11½ inches long, 8 cutters, nickel plated, weight 1⅜ pounds, each.....$1.00

STANLEY RABBET PLANES

CARRIAGE MAKERS' RABBET

No. 10½

Especially adapted for the heavy framing required in mining work, for carriage or wagon building, or any work of similar nature

No. 10½ 9 inches, 2⅛ inch cutter, weight each 3 pounds, each.....$2 50

SIDE RABBET PLANES

These will be found to be very convenient for side-rabbeting and trimming dadoes, mouldings and grooves of all sorts A reversible nose-piece gives the tool a form whereby it will work close up into corners when required. They have rosewood knobs and are nickel plated.

No. 98 4 inches long, ½ inch cutter, right hand, weight ½ pound, each.....$1 00

No. 99 4 inches long ½ inch cutter, left hand weight ½ pound, each.....1 00

ADJUSTABLE IRON PLANES

STANLEY'S BED ROCK

This Plane, owing to its solidity and variety of adjustments, surpasses all others for fine work on all woods.

The cutter, frog and bottom are so designed, machined and fitted that they are practically one solid piece of metal, thus preventing any chance of vibration.

Particular attention is called to the shape of the sides. This new and distinctive feature adds greatly to the strength of the plane as well as affording large bearing surfaces when the plane is used on its sides

The frog may be adjusted either forward or backward without removing the lever and cutter, simply slacken the tension of the two frog clamping screws "B", and with a screw driver adjust the frog desired by means of the frog adjusting screw "C" in the center, and then tighten the frog clamp screws (see cut.)

The frog is held to its seat by means of two pins "A" of large diameter, each of these has a tapered hole near the lower end

The two frog clamping screws "B" have tapered points. These points fit in the holes in the pins "A". The center of the tapered hole in these pins is slightly above the center line of the frog clamping screws, so that when these screws are driven in, they produce the effect of a wedge drawing the pins downward and clamping the frog absolutely rigid in its place.

If, for any reason, the frog pins "A" should be taken out of the plane, care must be used in replacing them to see that the tapered holes come in line with the points of the frog clamping screws "B".

The cutter is the regular "Bailey" cutter and is adjustable both endwise and sidewise.

The handle and knob are of well seasoned rosewood. The shape of the knob has recently been changed, the new shape allowing a firmer and easier grip.

SMOOTH, JACK, FORE AND JOINTER

No. 603.

No. 604.

No. 607.

With Flat Bottom.

	Each
No. 602—Smooth, 7 in. Long, 1⅝ in. Cutter, Weight Each 2¼ Lbs.	$2 20
No. 603—Smooth, 8 in. Long, 1¾ in. Cutter, Weight Each 3¼ Lbs.	2.30
No. 604—Smooth, 9 in. Long, 2 in. Cutter, Weight Each 3½ Lbs.	2.50
No. 605—Jack, 14 in. Long, 2 in. Cutter, Weight Each 4½ Lbs.	3 00
No. 606—Fore, 18 in. Long, 2⅜ in. Cutter, Weight Each 7½ Lbs.	3 75
No. 607—Jointer, 22 in. Long, 2⅜ in. Cutter, Weight Each 8¾ Lbs.	4.40
No. 608—Jointer, 24 in. Long, 2⅝ in. Cutter, Weight Each 9¾ Lbs.	5.25

No. 603C.

No. 607C.

With Corrugated Bottom.

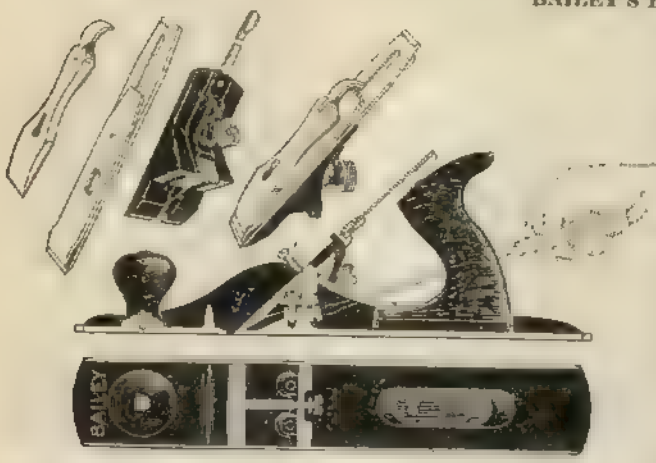
The Corrugated Bottom Creates Very Little Friction and Makes an Easier Running Plane than the Flat Bottom.

	Each
No. 602C—Smooth, 7 in. Long, 1⅝ in. Cutter, Weight Each 2¼ Lbs.	$2 20
No. 603C—Smooth, 8 in. Long, 1¾ in. Cutter, Weight Each 3¼ Lbs.	2 30
No. 604C—Smooth, 9 in. Long, 2 in. Cutter, Weight Each 3½ Lbs.	2.50
No. 605C—Jack, 14 in. Long, 2 in. Cutter, Weight Each 4½ Lbs.	3.00
No. 606C—Fore, 18 in. Long, 2⅜ in. Cutter, Weight Each 7½ Lbs.	3 75
No. 607C—Jointer, 22 in. Long, 2⅜ in. Cutter, Weight Each 8¾ Lbs.	4.40
No. 608C—Jointer, 24 in. Long, 2⅝ in. Cutter, Weight Each 9¾ Lbs.	5.25

All Above, One in a Box.

ADJUSTABLE IRON PLANES

BAILEY'S BENCH



The Planes described below, generally known as Bench Planes, are divided into four classes, namely: Smooth, Jack, Fore and Jointer.

A Smooth Plane is for finishing or smoothing off flat surfaces. Where the uneven spots are of slight area, its short length will permit it to locate these irregularities, leaving the work with a smooth surface when finished.

A Jack Plane is used to true up the edges of a board in the rough and prepare it for the Force or Jointer

A Fore Plane is simply a short Jointer, and being lighter, is preferred by some workmen to the longer plane.

A Jointer is a finishing Plane for large surfaces and is invariably used to true up the edges of boards so that they can be closely fitted or joined together.

"Bailey" Iron Planes have been in use for nearly fifty years and are the recognized standard for planes of this type While retaining all the original features, many valuable improvements in construction have been added from time to time. Only the finest materials and the best workmanship are used in their manufacture.

In the illustration the detail of construction is very clearly shown. Note that the frog has a support directly at the rear of the mouth, making practically one solid piece from the cap to the bottom. The sides and bottom of the plane are stiffened by means of the cross ribs The screw bosses on each side of the center rib are very deep allowing a number of threads to engage, thereby securely holding the frog The design prevents the plane being drawn out of true when the face of the frog is screwed up hard

The width of the mouth may be regulated and made wider or narrower as coarse or fine work may require First remove the lever and cutter and loosen the two frog screws that fasten the frog to its seat With a screw driver turn the center adjusting screw (see cut) to the right to close the mouth, and to the left to open it When the frog is in the position desired, tighten the frog screws and replace the cutter and lever.

The cutter which is thin and of uniform thickness, is a prominent feature of the "Bailey" Plane

Briefly its advantages are 1 Ease in grinding 2 Less grinding, as a thin cutter can be kept in condition by honing 3 Less tendency to 'stub off' the cutting edge when honing hence the original bevel is kept much longer

The cutter is adjustable endwise by means of the adjusting wheel at the back of the frog It is also adjustable sidewise by lever located near the top and at the back of the cutter.

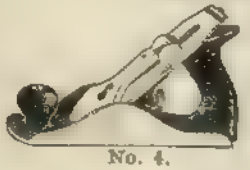
It is made of the finest quality English steel, tempered and ground by an improved process, and honed ready for use

The handle and knob are made of highly finished, thoroughly seasoned rosewood.

All genuine "Bailey" Planes have the name "Bailey" cast in the bottom, and the name Stanley is stamped on the cutter

SMOOTH, JACK, FORE AND JOINTER

No. 3.



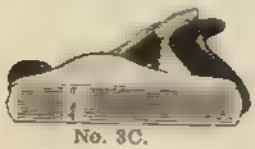
No. 4.

No. 5.

No. 6.

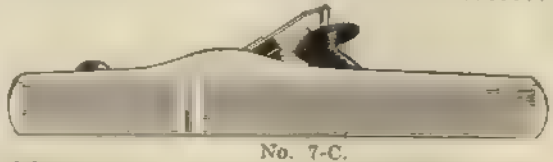
With Flat Bottom.

	Each
No. 1—Smooth, 5½ in Long, 1¾ in. Cutter Weight Each 1¼ Lbs	$1 50
No. 2—Smooth, 7 in Long 1⅝ in Cutter Weight Each 2¼ Lbs	2 00
No. 3—Smooth, 8 in Long, 1¾ in Cutter, Weight Each 3 Lbs	2 10
No. 4—Smooth, 9 in Long, 2 in. Cutter Weight Each 3¾ Lbs	2.20
No. 4½—Smooth, 10 in Long, 2⅜ in Cutter, Weight Each 4¾ Lbs.	2.50
No. 5—Jack, 14 in. Long 2 in Cutter, Weight Each 4¾ Lbs.	$2 50
No. 5½—Jack, 15 in Long, 2¼ in Cutter, Weight Each 6¾ Lbs	3 00
No. 6—Fore, 18 in. Long 2⅜ in Cutter Weight Each 7¾ Lbs.	3 25
No. 7—Jointer, 22 in Long, 2⅜ in. Cutter, Weight Each 8 Lbs	3 75
No. 8—Jointer, 24 in. Long, 2⅜ in. Cutter, Weight Each 9¾ Lbs	4.50



No. 3C.

The Corrugated Bottom creates very little friction and makes an easier running plane than the flat bottom.



No. 7-C.

With Corrugated Bottom.

	Each
No. 1C—Smooth, 5½ in Long, 1¾ in Cutter, Weight Each 1¼ Lbs	$1 50
No. 2C—Smooth, 7 in Long 1⅝ in. Cutter Weight Each 2¼ Lbs	2.00
No. 3C—Smooth, 8 in Long, 1¾ in Cutter Weight Each 3 Lbs	2 10
No. 4C—Smooth, 9 in Long 2 in Cutter, Weight Each 3¾ Lbs.	2 20
No. 4½C—Smooth, 10 in Long 2⅜ in Cutter Weight Each 4¾ Lbs	2.50
No. 5C—Jack, 14 in Long, 2 in Cutter, Weight Each 4¾ Lbs	$2 50
No. 5½C—Jack, 15 in Long, 2¼ in Cutter, Weight Each 6¾ Lbs	3.00
No. 6C—Fore, 18 in Long, 2⅜ in Cutter, Weight Each 7¾ Lbs	3 25
No. 7C—Jointer, 22 in Long 2⅜ in. Cutter, Weight Each 8 Lbs	3 75
No. 8C—Jointer, 24 in. Long, 2⅜ in Cutter, Weight Each 9¾ Lbs	4 50

All Above, One in a Box.

HAY CARRIER TRACK

STAR

Cut Showing Section of Track.

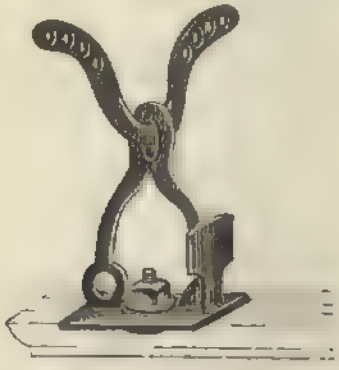
Cut Showing Construction of Splice Block.

No. 142—Star, Double Flange Steel Track, 6 8 or 10 ft Long, Weight Per Foot 2 Lbs . . . . . Per Foot, **$0 30**
No. 148—Splice Blocks, for Steel Track, Weight Each 1 Lb. ..... **Each, .40**

Simple in construction, strong and durable The hangers are movable and will fit the rafters at any point. The **Trip Block is movable and can be fastened to the track at any place where there is a rivet.**

The Splice Block consists of three pieces of malleable iron, two on the outside, one on the inside, all securely **bolted. No drilling or punching to be done to fit the splice.**

COMBINED END HANGER AND STOP



Per Dozen

No 140—For Double Flange Steel Track, to Keep the Carrier from Running Off the End of the Track **$2. 10**

Weight Per Dozen 6 Pounds

HANGERS

Per Dozen

No. 148—For Double Flange Steel Track. **$2 10**

Weight Per Dozen 4 Pounds

RAFTER BRACKETS

Per Dozen

No. 126 Malleable Iron, for Wood or Steel Track. **$0.90**

Weight Per Dozen 3¾ Pounds

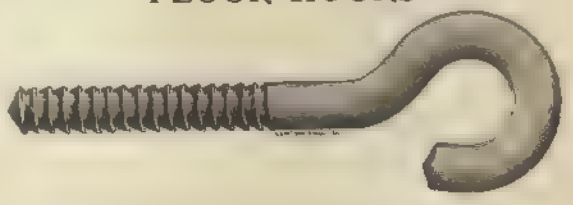
TRACK RODS

Per Dozen

No. 72—To be Used with Combined End Hanger and Stop where it is Desired to Prevent the Track from Working Endwise . . . . **$.**

Weight Per Dozen 16 Pounds

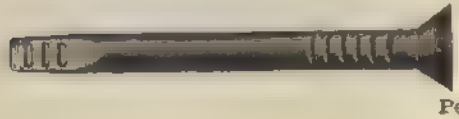
FLOOR HOOKS



Wrought Iron, Coarse Sharp Thread.

Size, Inches	⅝ x 6½	¾ x 7
Weight Per Dozen, Lbs.....	8	12
Per Dozen	**$1.20**	1 40

BRACKET NAILS



Per Pound

No. 24—25 Nails to a Pound.....$.....

HAY FORK PULLEYS

Per Dozen

No. 101—Painted Cast Iron Frame, 6 in. Hard Maple Sheave, Revolving on Large Hollow Pin, Swivel Eye **$3 20**

Weight Per Dozen 37 Pounds

Per Dozen

No. 102—Painted Cast Iron Frame, 6 in. Cast Iron Sheave, Revolving on Large Hollow Pin, Swivel Eye **$3.70**

Weight Per Dozen 48 Pounds

Per Dozen

No. 103—Knot Passing, Painted Best Quality Malleable Iron Frame, 6 in. Hard Maple Sheave, Revolving on Large Hollow Pin, Malleable Iron Swivel Eye **$4.60**

Weight Per Dozen 35 Pounds.

Per Dozen

No. 48—Knot Passing, Extra Strong and Heavy Painted Malleable Iron Frame, 6 in. Hard Maple Sheave Revolving on Large Hollow Pin, Malleable Iron Swivel Eye **$5 40**

The frame is constructed to prevent chafing of rope.

Weight Per Dozen 40 Pounds

Per Dozen

No. 111—Reed Pattern, Hard Maple Frame, with Wrought Steel Yoke, 5 in. Hard Maple Sheave, Revolving on Large Bushing, Malleable Iron Swivel Eye **$4.00**

Weight Per Dozen 33 Pounds.

Per Dozen

No 112—Reed Pattern, Hard Maple Frame with Wrought Steel Yoke, 5 in. Hard Maple Sheave, Revolving on Large Bushing Malleable Iron Swivel Hook **$4.00**

Weight Per Dozen 35 Pounds

ROSARIES

Mounted with solid gold, gold filled and Sterling silver mountings. Selected faceted beads in various colors

PRICES EACH

Sterling silver chain, centerpiece and crucifix, round faceted, garnet, amethyst or topaz beads

No. 7155. $3.25

Gold filled polished chain, centerpiece and crucifix, round faceted, garnet, amethist or topaz beads

No. 7156. $4.25

Sterling silver chain, centerpiece and crucifix, round faceted, garnet, amethyst, topaz and mother of pearl beads.

No. 7157 .$4.50

Gold filled, polished chain, rose gold centerpiece and crucifix, round faceted, topaz, amethyst or garnet beads

No. 7158..$

Gold filled, polished chain, centerpiece and crucifix, round faceted, garnet, emerald, amethyst or topaz beads

No. 7159 $8.00

Gold filled, polished chain, Roman finish centerpiece and crucifix, Roman finish gold filled beads

No. 7160 $8.50

Highest grade gold filled, polished chain and centerpiece. Roman and rose gold crucifix, pearl mother of pearl beads.

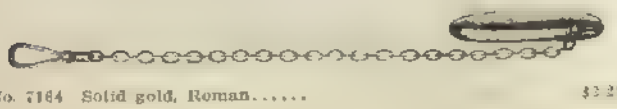
No. 7161. $12.50

Solid gold polished chain and centerpiece. Roman crucifix, pearl mother of pearl, amethyst or topaz stones

No. 7163 $6.

BROOCH SAFETY PINS AND CHAINS

PRICES EACH



No. 7164 Solid gold, Roman..... $3.2

No. 7165 Solid gold, polished $2.50

No. 7166 Polished open curb links, solid gold $3.50
No. 7167 Gold filled ..... .50

Fine Platinum 14k and 10k Solid Gold Neck Chains

Quality Guaranteed **Prices Each**

Fine Cable Links
Platinum

No.				
[illegible]	[illegible]	[illegible]	[illegible]	$12.00
[illegible]	[illegible]	[illegible]	[illegible]	13.50

Solid gold

[illegible]	10k	13	[illegible]	$5.25
[illegible]	10k	15	[illegible]	5.50
[illegible]	10k	18	[illegible]	6.00
[illegible]	14k	13	[illegible]	5.25
[illegible]	14k	15	[illegible]	5.75
[illegible]	14k	18	[illegible]	6.25

Flat Cable Links

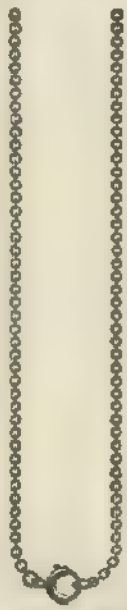
No.				
7176	10k	13	in.	$4.00
7177	10k	15	in.	[illegible]
[illegible]	10k	[illegible]	in.	[illegible]
7179	10k	20	in.	6.00
7180	14k	[illegible]	in.	[illegible]
[illegible]	14k	[illegible]	in.	6.00
7182	14k	[illegible]	in.	[illegible]
7183	14k	20	in.	8.00

Fancy Links

No.				
[illegible]	10k	13	in.	$3.00
[illegible]	10k	15	in.	3.50
[illegible]	10k	[illegible]	in.	4.25
[illegible]	10k	[illegible]	in.	4.75
[illegible]	14k	13	in.	4.00
[illegible]	14k	15	in.	4.50
[illegible]	14k	18	in.	5.75
[illegible]	14k	20	in.	6.50

Fine [illegible] Chain

No.				
[illegible]	10k	[illegible]	in.	$[illegible]
[illegible]	10k	[illegible]	in.	[illegible]
[illegible]	10k	[illegible]	in.	[illegible]
[illegible]	14k	13	in.	[illegible]
[illegible]	14k	15	in.	[illegible]
[illegible]	14k	18	in.	[illegible]
[illegible]	14k	20	in.	6.25

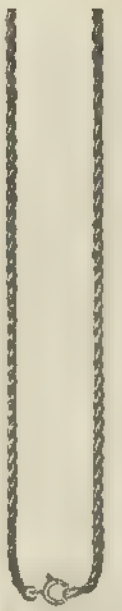


Medium weight Cable

No.				
[illegible]	10k	13	in.	$3.75
[illegible]	10k	15	in.	4.25
[illegible]	10k	18	in.	5.00
[illegible]	10k	20	in.	5.50
[illegible]	14k	13	in.	5.00
[illegible]	14k	15	in.	6.50
[illegible]	14k	[illegible]	in.	[illegible]
[illegible]	14k	20	in.	8.25

Polished Lapped Curb.

No.				
[illegible]	10k	13	in.	$5.50
[illegible]	10k	15	in.	[illegible]
[illegible]	10k	18	in.	[illegible]
[illegible]	10k	20	in.	[illegible]
[illegible]	14k	13	in.	[illegible]
[illegible]	14k	15	in.	9.00
[illegible]	14k	18	in.	10.50
[illegible]	14k	20	in.	11.50



Roman Rope

No.				
[illegible]	10k	13	in.	$6.25
[illegible]	10k	15	in.	[illegible]
[illegible]	10k	[illegible]	in.	[illegible]
[illegible]	10k	20	in.	[illegible]
[illegible]	14k	13	in.	[illegible]
[illegible]	14k	15	in.	10.25
[illegible]	14k	18	in.	12.50
[illegible]	14k	20	in.	13.00

For Lockets, Charms and Crosses see pages 158 to 166, inclusive; for Pendants, page 256

Polished Square Wire Open Curb.

No.				
7224	10k	13	in.	$5.00
7225	10k	15	in.	6.00
7226	10k	18	in.	7.00
7227	10k	20	in.	8.00
7228	14k	13	in.	7.50
7229	14k	15	in.	8.25
7230	14k	18	in.	10.00
7231	14k	20	in.	11.00

Round Fluted Long Links Cable Connecting Links

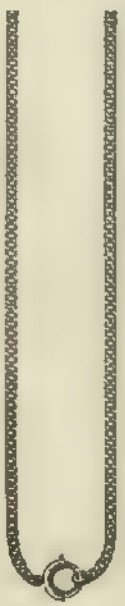
No.				
7232	10k	13	in.	$7.25
7233	10k	15	in.	8.25
7234	10k	18	in.	10.00
7235	10k	20	in.	11.00
7236	14k	13	in.	11.00
7237	14k	15	in.	11.75
7238	14k	18	in.	13.00
7239	14k	20	in.	14.00

Fancy Links

No.				
7240	10k	13	in.	$7.25
7241	10k	15	in.	8.50
7242	10k	18	in.	10.00
7243	10k	20	in.	11.25
7244	14k	13	in.	9.25
7245	14k	15	in.	11.00
7246	14k	18	in.	13.00
7247	14k	20	in.	14.50

Polished Square Wire Cable Link

No.				
7248	10k	13	in.	$6.25
7249	10k	15	in.	[illegible]
7250	10k	18	in.	8.50
7251	10k	20	in.	9.50
7252	14k	13	in.	9.50
7253	14k	15	in.	10.75
7254	14k	18	in.	12.50
7255	14k	20	in.	14.00

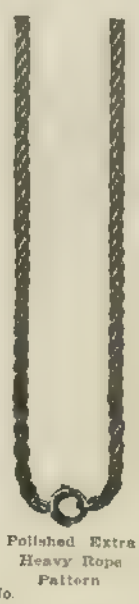


Polished Lapped Curb

No.				
7256	10k	13	in.	$6.50
7257	10k	15	in.	7.50
7258	10k	18	in.	8.75
7259	10k	20	in.	9.75
7260	14k	13	in.	10.00
7261	14k	15	in.	11.25
7262	14k	18	in.	13.50
7263	14k	20	in.	15.00

Polished Lapped Curb.

No.				
7264	10k	15 in.		$14.50
	5 3/4 dwts.			
7265	10k	18	in.	17.00
	6 1/4 dwts.			
7266	10k	20	in.	18.00
	7 1/4 dwts.			
7267	14k	15	in.	20.00
	5 1-6 dwts.			
7268	14k	18	in.	26.00
	7 1/2 dwts.			
7269	14k	20	in.	28.00
	8 1/2 dwts.			



Polished Extra Heavy Rope Pattern

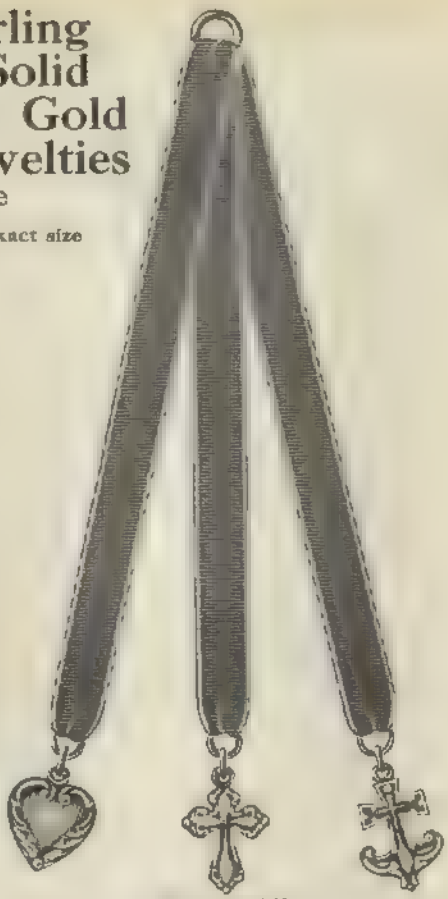
No.				
7270	10k	15 in.		$12.50
	5 dwts.			
7271	10k	18	in.	14.50
	5 3/4 dwts.			
7273	10k	20	in.	15.75
	6 1/4 dwts.			
7272	14k	15	in.	19.00
	5 3/4 dwts.			
7274	14k	18	in.	21.00
	6 1/2 dwts.			
7275	14k	20	in.	23.00
	7 1/4 dwts.			

Fine Sterling Silver, Solid Gold and Gold Filled Novelties

925/1000 Fine

Illustration are exact size

BOOK MARK
Fine silk ribbon, sterling silver [illegible] gray enamel ornaments, length [illegible] under 6 inches
No. 8348 Each ..$1.50



BOOK MARK
Fine silk ribbon [illegible] grade gold filled [illegible] raised ornaments, length [illegible] inches
No. 8350 Each $1.25

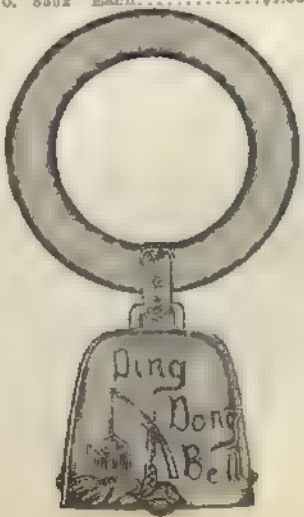
BOOK MARK OR LETTER OPENER
Sterling silver French gray finish
No. 8351 Each $1.00

BABY TEETHING RING
Sterling silver bells fine pearl ring.
No. 8352 Each.....$1.50

EMERY BALL
Silk cover and tassel, sterling silver top
No. 8353 Each.....$0.60

WAX BALL
Silk cover and tassel, sterling silver top
No. 8354 Each $0.45

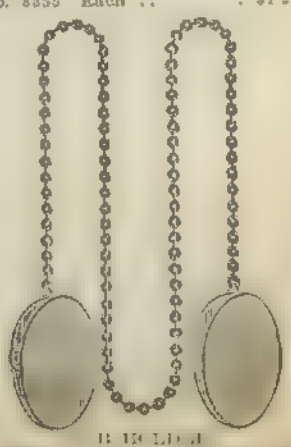
BOOK MARK OR LETTER OPENER
Sterling silver, French gray finish, carved design, both sides alike
No. 8355 Each .. .$1.25



BABY RATTLE
Sterling silver bell, fine pearl ring
No. 8356 Each $3.00

BABY RATTLE
Fine pearl ring, sterling silver bell
No. 8357 Each $2.50

BIB HOLDER
Solid gold Roman finish chain and oval clasps
No. 8358 Each . $[illegible]



BIB HOLDER
Sterling [illegible] gold finish chain and oval clasps
No. 8359 Each $2.70

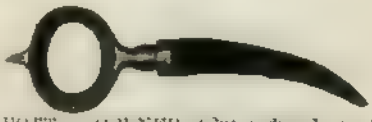
Fine Sterling and German Silver Novelties

Illustrations are exact size except where specified

PRICES EACH

POMADE OR SALVE JAR
German silver, French gray, [illegible] or bossed [illegible]
No. 8360 Each ..... $1.[illegible]

CORK SCREW (Actual size.)
Tusk handle, sterling silver heavy mount [illegible]
No. 8361 Each ..... $[illegible]



BOTTLE OPENER. (Cut reduced size.)
Sterling silver [illegible] genuine stag handle, [illegible]
No. 8[illegible] Each $1.00

BOTTLE OPENER. (Cut reduced size.)
Sterling silver [illegible] French gray [illegible] genuine stag handle, [illegible]
No. 836[illegible] Each $1.50

[illegible] JAR (Cut reduced size.)
[illegible] silver, gold lined cover, [illegible] French gray [illegible] cut glass [illegible] jar
No. 8[illegible] Each ..... $[illegible]

POMADE OR SALVE JAR.
Sterling silver, heavy cover, gold lined, French gray ornamental border, satin center, glass jar
No. 8365 Each $2.00
Same Salve Jar [illegible] Height 1⅝ in.
No. 8366 Each $1.50

JAR FOR TOOTH BRUSH.
Sterling silver, heavy cover, gold lined French gray ornamented border, satin center, glass jar.
No. 8369 Each $1.60

PUFF JAR
Sterling silver, heavy cover, gold lined, ornamented French gray border satin center, [illegible] glass jar
No. 8367 Each $7.50

TOOTH POWDER JAR.
Sterling silver, heavy cover, gold lined, [illegible] French gray ornamental border, satin center, glass jar.
No. 8368 Each $1.60

STERLING SILVER SPOONS AND ASSORTMENTS.

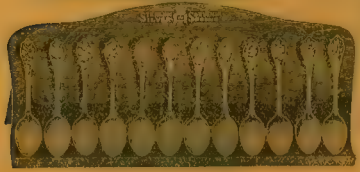
No. 7018.

No. 7013.

No. 2

No. 7018—Indian Spoon, gray handle, and bright bowl, actual length of spoon 5⅝ in., per dozen **AFBJ** $27.00
No. 7013—Corn Spoon, gray handle and bright bowl, actual length of spoon 5⅝ in. per dozen **ACEJ** 22.50
No. 2—State Spoon, supplied with all state seals, American eagle pierced in handle, gray handle and gilt bowl, per dozen ..... ★ **AJHJ** $18.00

ONE DOZEN IN A BOX



No. 7001—12—Floral birth month tea spoons, each spoon representing the flower for each month of the year as described below, gray handle and bright bowl, actual length of spoons 5⅝ in.....per dozen **ACEJ** $22.50

Above assortment consists of the following spoons—January, Wild Rose; February, Carnation; March, Violet; April, Lily; May, Lily of the Valley; June, June Rose; July, Daisy; August, Water Lily; September, Poppy; October, Cosmos; November, Chrysanthemum; December, Holly.

ONE DOZEN ON FANCY EASEL BACK DISPLAY PAD.

No. 7037—Initial spoons, supplied in all initials, bright silver finish, actual length of each spoon 5⅝ in., per dozen .. ..**AJHJ** $18.00

ONE DOZEN ON FANCY EASEL BACK DISPLAY PAD.

★FOR FACTORY [illegible]

STERLING SILVER BIRTHMONTH SPOONS AND MANICURE GOODS

Entire page DJ%
Guaranteed 925-1000 Fine.

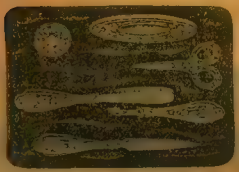
LARGE SIZE BIRTHMONTH SPOONS.

No. 5—Lily of the Valley, May. **No. 6**—June Rose, June. **No. 12**—Holly, December.

No. 1—Wild Rose, January; **No. 2**—Carnation, February; **No. 3**—Violet, March; **No. 4**—Easter Lily, April; **No. 7**—Daisy, July; **No. 8**—Water Lily, August; **No. 9**—Poppy, September; **No. 10**—Cosmos, October; **No. 11**—Chrysanthemum, November.

All numbers, extra heavy, Frency Gray, plain bowls, per dozen $30.00

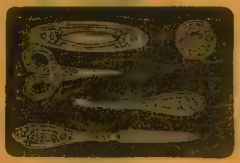
MANICURE SETS.



No. 206—Six Piece Manicure Set .....per set $12.00

MANICURE SETS.

No. 204—Four Piece Manicure Set.....per set $7.00



No. 205—Five Piece Manicure Set.....per set $9.50

SEPARATE MANICURE PIECES.

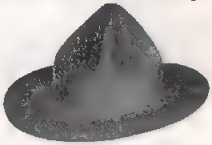
No. P237—Flexible Nail File	each	$1.30
No. P237—Shoe Horn	each	1.30
No. P237—Button Hook	each	1.30
No. P237—Corn Knife	each	1.30
No. P237—Cuticle Knife	each	1.30
No. P236—Nail Polisher	each	2.50
No. P20/50—Manicure Scissors	each	1.70
No. P237—Curling Iron	each	1.30
No. P234—Cold Cream Jar	each	2.30
No. P233—Puff Box	each	6.00

STETSON'S WESTERN HATS

Suitable for Sportsmen, cowboys, ranchmen, and planters. Made of nutria with raw edges and natural "Stetson" color, technically known as "Belgium Belly."

THE "MERIT"

"THE AUSTRAL"



THE "LALOO"

The "Merit." This is a popular style for general use, being of conservative design with soft brim slightly turned up at edge but can be set in any position.
No. 461. Depth 5⅛ inches, brim 2⅜ inches.....**$5.00**

The "Austral." The brim is straight, semi-stiff and holds its shape well. The crown may be shaped to suit the taste of the wearer. Leather band 35c. extra.
No. 684. Depth 4½ inches, brim 3 inches.....**$5.00**

The "Laloo." The favorite of the cowboy or ranchman. The brim is flat, semi-stiff and the high crown lends itself well to the Montana or other styles.
No. 424. Depth 5½ inches, brim 3½ inches.....**$6.00**
No. 444. "Robinson." A popular model, designed by Powhatan Robinson. Depth 5⅛ inches, 2¾ inches, semi stiff, flat brim.....**$5 00**

LEATHER HAT BANDS

No. 347

No. 150

No. 200

These tan leather hat bands add a "swagger" to the appearance of soft hats.
No. 878. ⅛ inch wide, nickel buckle, stamped rope design.....**$ .15**
No. 347. 1 inch wide, nickel buckle, cowboy design..... **.25**
No. 829. 1¼ inch wide, two ring and cinch, fancy wheel design..... **.35**
No. 150. 1½ inch wide, saddle leather, embossed design, two buckles..... **.50**
No. 200. ⅞ inch wide, finest quality saddle leather, hand stitched..... **1.00**

SADDLE LEATHER BELTS

No. 8

No. 36

These belts are made of selected russet saddle leather of a quality not usually procurable. They are hand stitched and finished and beautifully embossed.
No. 8. 1 inch wide, stamped design tan color nickel buckle.....**$ .50**
No. 28. 1 inch wide, embossed design, extra quality, brass buckle..... **.75**
No. 36. 1½ inch wide, embossed design, heavy leather, nickel buckle..... **1.25**

Delivery Prepaid in U. S. if Cash is Sent With Order at Above Prices

AUTOMOBILE SUPPLY SIGNS.

A PATHFINDER TO PROFIT.

WEAR AND TEAR BRING ACCIDENTS ACCIDENTS DEMAND REPAIRS.

"Where can I get supplies?"
"That hardware store had a sign."

A wide field has opened to the hardware man. Motor travel has spread through the cities of each state and countrywards. Power driven vehicles crowd the city boulevards. Each village has a dozen cars or so. The SALE comes right to YOUR door.

Bright windows attract prospective customers. The hardware window is everywhere. Tires tool boxes, weed shields, tops horns robes, speedometers, spark plugs, funnels goggles, racks, patches, pumps, clocks lamps, magnetos, batteries for "this rapidly growing class of trade." Surely this is YOUR trade.

We have a stock that is fresh and varied. Our experience insures you right prices. To succeed ourselves we must have your success. We're going to help you.

THIS IS OUR OFFER.

We will give the handsome sign illustrated above to each of our customers who will place with us an order for Automobile Accessories amounting to $75.00 or more.

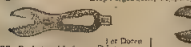
This sign is of durable steel, 19x60 in., lithographed in toned colors and edged in a selected wood frame. The Pennsylvania vacuum cup casing appears in its natural gray, the words "Auto Supplies" are lined in yellow, shaded in borders of red and black. The Stewart speedometer as shown in brass finish, and the whole backed up on a field of rich green. Each sign is worth $15.00. The quantity is limited and they are going fast. Exhaustion of our present supply will terminate this offer. Please place your orders now.

HIBBARD, SPENCER, BARTLETT & CO.

WRENCHES

*DIAMOND EDGE

Drop Forged Steel, Tempered and Polished Jaws, Natural Finish Body, Milled Teeth.

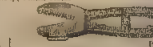


Per Dozen

No. DEP Pocket, with Screw Driver End, 4 inches, Also Round Tang, 3/16 inch Openings in Handle, Take Nos. 8, 9-10 and 12 Each, Screw Driver End 5/16 Inch Wide at Point. Weight per Dozen 1 1/2 lbs. $1.80

Per Dozen

No. DEJ—Length 5 1/2 inches, Round Tang, 1/4 to 3/4 inch Openings in Handle, Take Nos. 9, 9-10 and 12 Each, Screw Driver End 5/16 Inch Wide at Point. Weight per Dozen 2 lbs. $2.00



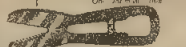
Per Dozen

No. DEK—Length 6 inches, Round Tang, 1/4 to 3/4 inch Openings in Handle, Take Nos. 9, 9-10 and 12 Each, Screw Driver End 5/16 Inch Wide at Point. Weight per Dozen 2 1/2 lbs. $3.00

One Dozen in a Box

Per Dozen

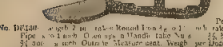
No. DE150—Length 7 inches, Round Tang, 1/4 to 1 inch Openings in Handle, Take Nos. 9, 9-10 and 12 Each, Screw Driver End 5/16 Inch Wide at Point. Weight per Dozen 3 lbs. $3.00



Per Dozen

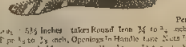
No. GCL—Length 8 1/2 inches, takes Round Tang 3/4 to 3/4 inch, takes Pipe 1/4 to 1 1/4 inch, Openings in Handle take Nos. 7/8 to 1/4 inch Outside Measurement. Weight per Dozen 4 lbs. $1.70

Half Dozen in a Box



*DIAMOND EDGE

Drop Forged Steel, Tempered Jaws, Natural Finish Body, Polished Faces, Milled Teeth.



Nos.	D14	D24	Per Dozen
Length, Inches	14	22	
Takes Round Iron, Inches	1/4 to 3/4	1 1/2 to 2 1/4	
Takes Pipe, Inches	1/4 to 3/4	1/4 to 2	
Weight per Dozen, lbs.	20	75	
Per Dozen	$12.00	$7.60	

No. DET—Twin, Length 10 inches, Takes Round Iron 3/4 to 1 inch, takes Pipe 1/4 to 3/4 inch, Weight per Dozen 18 lbs. $12.00

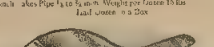
Half Dozen in a Box

*DIAMOND EDGE

Steel Drop Forged, Nickel Plated, Tempered Spring Jaws, Polished Finish, Knurled Jaws, Shield Teeth.

Nos.	DE55	DE65
Length, Inches	5	6
Takes Round Iron, Inches	1/4 to 1/2	1/4 to 5/8
Weight per Dozen	1 lb.	1 1/2 lbs.
Per Dozen	$4.80	$ 60

Half Dozen in a Box



ALWAYS READY

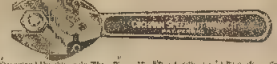
Nickel Plated Drop Forged, All Tempered Spring Jaws.

Nos.	AR1	AR2	AR2½
Length, Inches	8	10	12
Takes Round Iron, Inches	1/4 to 1	1/4 to 1 1/4	1/4 to 1 1/4
Takes Pipe, Inches	1/4 to 1	1/4 to 1 1/4	1/4 to 1 1/4
Per Dozen	$5 40	$ 75	$
Per Dozen	6 00	7 50	11 50

Half Dozen in a Box

COCH-RAN "SPEED NUT"

The Quickest Nut Wrench on the Market. Instantaneous and Automatic Adjustment



Has no Slow Thumb Screw Adjustment but a Lightning Grip on Nuts within Range.

Simple Construction, very strong and Durable, only Three Pieces, Head Ratchet Dog and Pawl, always in Repair and ready for Use, has no Complicated Parts to get out of Order.

The Ratchet Dog is so Tapered it Grips Its Tight Grip prevents Slipping on Nuts and Wearing off the Corners. Ratchets on Nuts, thereby permit ng Bigger Leverage.

Forged from High Grade Tool Steel, Jaws Hardened and Polished, all Parts not Polished Finished in Black Enamel.

Perfect Fitting Polished Jaws, no worn Parts. Pressure is removed

Nos.	C8B	C8B
Length, inches	6	8
Size of Jaw Opening, inches	1 1/2	1 1/2
Takes Square Nuts, inches	1/4 to 3/4	1/4 to 3/4
Takes Hexagon Nuts, inches	1/4 to 7/8	1/4 to 3/4
Weight per Dozen, lbs.	3	5
Per Dozen	$10.00	15.00

One Dozen in a Corrugated Paper Carton.

COMBINATION WRENCHES

NUT AND PIPE WRENCHES WITH THREAD CUTTERS

*DIAMOND EDGE

Drop Forged Tool Steel, Polished Oil Tempered Jaws, Natural Finish Oval Shank, Milled Flats, and Polished Faces and Edges.

Per Dozen

No. DE100—Natural Finish Shank, 8 inches Long, Ends Open 1 and 1 1/2 inches Cut Threads 1/4, 3/8, 1/2 and 3/4 in. Weight per Dozen 11 lbs. $6.00

Half Dozen Jaw Box

*DIAMOND EDGE ADJUSTABLE

A High Grade Tool for Equipment of Automobiles, Gas Engines, Motor Cycles, Motor Boats and all Machines Requiring a High Grade Adjustable Wrench.

Drop Forged from the Highest Grade Tool Steel, Jaws and Side Plates Nickel Plated and Highly Finished, Tempered Jaws Hardened Milled Teeth, Upper Jaw is a Sliding Jaw, Operated by Simply Turning the Nut on Head, Especially Adapted for use in Cramped Places. Lower Jaw and Handle, One Piece of Steel, the Strength of Jaws with Heavy Steel Plates Screwed on Solid.

Per Dozen

No. DE95—Jaws Open 1 1/4 inches, Long 6 Over All, 7 Inches. Weight per Dozen 3 1/2 lbs. $12 00

Thirteen Dozen in a Box

ATTACHMENTS AND EXTRAS FOR ELGIN WRENCHES.

No. A

No. D

No. E1

No. J

Nickel Plated

	Per Dozen
No. A Threading Attachment, with One Die. Any Size Listed Below, for Threading or Re-threading Bolts. Operating Small Thumb Knob, the Die is Made to Work to the Weight per Dozen 1 lb.	$12 50
No. D—Dies, U. S. Standard Threads, 3/8, 7/16, 1/2, 9/16, 5/8 Weight per Dozen about 1 lb.	6 00
No. E1—Inserts, to Make Ratchet or Nut Wrench, Square Opening 3/8 and 1/2 inch, Hexagon Opening 3/4 and 9/16 inch, for Taps, Set Screws and Small Nuts. Weight per Dozen about 1 lb.	6.00
No. J Extra Jaws; Length 8 inches. Weight per Dozen about 1 lb.	5 00

Loose

When Ordering Attachments, Give Size Wanted

ELGIN WRENCH SETS

Complete with Attachments in Hardwood Hinged Lid Case

	Per Set
No. E10—Contains One Elgin Adjustable Nickel Plated Wrench, One Die Stock, One Inserts 3/8 inch; One Each U. S. Dies, 3/4-20, 7/8-18, 3/4-10, 7/8-9 and 1/2-13, Each Die in a Separate Compartment. Weight per Case 10-16 lbs.	$8.50

One Set in a Box

HEXAGON NUT WRENCHES

WALCO

These Wrenches, although originally designed for Making up or taking up Valve Bonnets, will be found suitable for a great number of different purposes. The only perfect device for making up Valves, Cocks, Bibbs and Unions. Cannot slip and will not distort the bodies of Valves or Cocks nor mar finished surfaces.

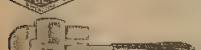
Drop Forged from High Grade Tool Steel, Finished all over except Jaws, Handle Nos. 1 and 2 Very Strong and Durable.

Nos.	1	2
Length open Jaw	1 1/4	2
Length Handle	13	20
Opens, Inches	2	3
Weight each, ozs.	4	8
Each	$4 50	$ 60

Half Dozen in a Box

"DIAMOND EDGE IS A QUALITY PLEDGE"

COMBINATION WRENCHES
NUT AND PIPE



6 to 14 inch Wood Handle

18 to 48 inch Steel Bar

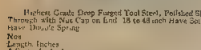
*DIAMOND EDGE

Highest Grade Drop Forged Tool Steel, Polished Shank, Frame and Jaws 6 to 14 inch Have Elbow Finished Hardwood Handle with Shank Extending Through with Nut Cap on End 18 to 48 inch Have Solid Steel Handle Lengths 6, 8, 10 and 48 inch Have Single Spring, Lengths 10, 14, 18 and 24 inch Have Double Spring

Nos.	DEX8	DEX8	DEX10	DEX10	DEX18	DEX18	DEX24	DEX36
Length, Inches		8	10	14	18	24	36	
Adjustable, Inches	½ to ⅝	⅝ to 1	⅝ to 1⅛	⅞ to 1⅜	1¼ to 2¾	1¼ to 2¾	1¼ to 4	
Weight, Each, Lbs	1	1	2	3½	9	9	16	
Each	$2 00	$2 00	$ 25	$ 00	$ 00	$ 00	$ 00	
	90	90	1 00	1 30	1 75	2 60	5 10	

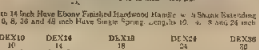
6 to 24 inch, Six in a Wood Box, 36 and 48 inch, Loose

STILLSON



Drop Forged Tool Steel, Polished Shank, Frame and Jaws, Finish Have Elbow Finish, Hardwood Handle, with Brass Extension Through with Nut Cap on End

6 to 14 inch, Wood Handle



18 and 24 inch Steel Bar

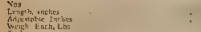
Have Double Spring

Nos	F8	F8	P10	P14	P18	P24	P36	P48
Length, inches	8	8	10	14	18	24	36	48
Adjustable, Inches	⅝ to 1¼	⅝ to 1¼	⅝ to 1¾	⅞ to 2⅜	1¼ to 3⅛	1¼ to 4	1¼ to 5¾	1¼ to 5¾
Weight Each, Lbs	1	1	2	3	6	10	24½	37½
Each	$2 00	$2 00	$ 25	$ 00	$ 00	$ 00	$ 00	$ 00
	1 10	1 10	1 40	1 75	2 50	3 50	6 00	9 00

6 to 24 inch, Six in a Wood Box, 36 and 48 inch Loose

EXTRA PARTS FOR *DIAMOND EDGE NUT AND PIPE WRENCHES

No. DEX—FRONT JAWS

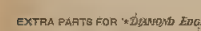


For Wrenches, In.	6	8	10	14	18	24	36	48
Weight Each, Lbs.	½	½	⅝	¾	1¼	2	3½	5½
Each	$0 50	50	60	70	$ 00	$ 00	$ 00	$ 00
	30	30	35	40	60	1 00	2 00	3 50

No. DEX—FRAMES

For Wrenches, In	6	8	10	14	18	24	36	48
Weight Each, Lbs	¾	1	1¼	1¾	2¼	3	4½	6
Each	40	50	60	70	90	1 20	1 80	2 50
	25	30	35	40	50	70	1 00	1 40

No. DEX—NUTS

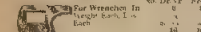


For Wrenches, In	6	8	10	14	18	24	36	48
Weight Each, Lbs	¼	¼	½	½	¾	1	1½	2½
Each	25	25	40	40	50	60	80	1 20
	15	15	25	25	30	35	45	70

EXTRA PARTS FOR STILLSON WRENCHES

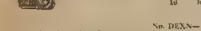
Parts will be furnished to fit *Diamond Edge

No. FJ—FRONT JAWS



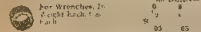
For Wrenches, In.	6	8	10	14	18	24	36	48
Weight Each, Lbs	¾	¾	⅞	1	1¼	2	3½	5½
Each	$0 75	75	90	1 00	1 25	1 75	2 75	4 25
	45	45	55	60	75	1 05	1 65	2 55

No. FF—FRAMES



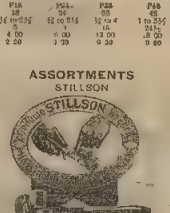
For Wrenches, In	6	8	10	14	18	24	36	48
Weight Each, Lbs	1	1¼	1½	2	2½	3½	5	7
Each	$0 85	85	90	90	95	1 00	1 50	1 50
	50	50	55	55	60	70	90	90

No. FN—NUTS



For Wrenches, In	6	8	10	14	18	24	36	48
Weight Each Ons	½	½	¾	1	1½	2	3	4
Each	$0 15	15	20	20	22	25	35	50
	09	09	11	11	13	15	20	30

ASSORTMENTS
STILLSON



Made of Heavy Sheet Steel Handsomely Green Enameled, Gold Lettered at Top

Arranged for Display, Five Wrenches at one Time

Height of Stand over all 21 inches, Width at Top 13½ inches, Number Each Size 2 inches, Depth 4 inches, Weight 4 lbs. net, 7 lbs. gross

Assortment consists of the following Genuine Stillson Wrenches:

Two	6 inches Long
Three	8 inches Long
Three	10 Inches Long
Three	14 inches Long
One	18 inches Long

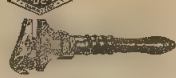
No. E50 Complete, Each Assortment Weighs 20 Lbs. (Packed) $15.00

Assortment same as above, but Display Stand as described above, Weighs Complete 20 Lbs. $15.50

One Assortment in a Box

COMBINATION WRENCHES
NUT AND PIPE

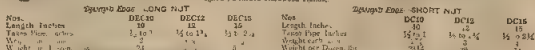
*DIAMOND EDGE



One Piece Forged Tool Steel Head, Bar and Shank, Extending Through Handle with Nut Cap on End. Hardened Jaws, with Milled Steel Pipe Dog Pinned to Inner Jaw, Carefully Ground and Polished Throughout. Polished Hardwood Handle.

*Diamond Edge LONG NUT			*Diamond Edge SHORT NUT		
Nos.	DEC10	DEC12	DEC15	DC10	DC15	DC15
Length, Inches	10	12	15	10	12	15
Takes Pipe, Inches	⅛ to 1	⅛ to 1¼	⅛ to 2	⅛ to 1	⅛ to ¾	⅛ to 2
Weight each, Lbs.	¾	1	2	¾	1	2
Weight per Dozen, Lbs.	9	12	24	9	12	24
Per Dozen	$21.00	24.00	33.00	$20.00	23.00	32.00

Nos. Dozen in a Wood Box



One Piece Drop Forged Steel Frame and Handle. Polished and Nickeled Jaws, Jaw Nuts and Polished Handle to Black Enamel, Polished Frame Has a Longer Than on Other Wrenches. Rocker Recess in Jaw Nut Gives Quick Release of Pipe. Perfect Grip and Release Cannot be Injured by Side Pull Owing to Its Solid Frame Construction. It Grips when Pressure is Removed.

Nos	CP8	CP10	CP14	CP18	CP24	CP36
Length, Inches	8	10	14	18	24	36
Adjustable, Inches	⅛ to 1	⅛ to 1¼	⅛ to 1¾	⅛ to 2	⅛ to 2¾	⅛ to 3¾
Wt. Each, Lbs.	¾	1	2	3	5	12
Each	$1 10	$ 50	$ 70	$ 20	$ 30	$ 65

6 to 24 inch, Six in a Wood Box, 36 inch Loose

TR MO PIPE WRENCHES

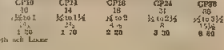
STEEL HANDLE

Drop Forged Tool Steel, Polished and Hardened Jaws, Polished Steel Frame, Japanned Steel Handle or Steel Cut Knurled Nut, Frame prevents screw from being cut by the knurled nut, Jaw nut has rocker recess.

Nos	T8	T8	T10	T14	T18	T24	T36	T48
Length, In.	8	8	10	14	18	24	36	48
Adjustable, In.	⅛ to 1	⅛ to 1	⅛ to 1¼	⅛ to 1¾	⅛ to 2¼	⅛ to 2¾	⅛ to 3¾	⅛ to 3¾
Weight Each, Lbs	1	1	2	3	5	10	24	37
Each	$2 00	$ 00	$ 25	$ 60	$ 00	$ 00	$ 00	$ 00
	1 20	1 20	1 50	2 00	2 50	3 50	6 00	9 00

6 to 24 inch, Six in a Wood Box, 36 and 48 inch, Loose

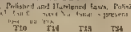
WOOD HANDLE



Nos	TX6	TX6	TX10	TX14
Length, Inches	6	8	10	14
Adjustable, Inches	⅛ to 1	⅛ to 1	⅛ to 1¼	⅛ to 1¾
Weight, Each, Lbs	¾	1	1½	2
Each	$2 00	$ 00	$ 00	$ 00
	1 00	1 00	1 30	1 80

Nos. Dozen in a Box

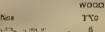
EXTRA PARTS FOR TR MO WRENCHES



No. FJ—FRONT JAWS

For Wrenches, In.	6	8	10	14	18	24	36	48
Weight Each Lbs.	¾	¾	⅞	1	1¼	2	3½	5½
Each	$0 75	75	90	1 00	1 25	1 75	2 75	4 25
	45	45	55	60	75	1 05	1 65	2 55

Loose

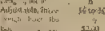


No. F—FRAMES

For Wrenches, In.	6	8	10	14	18	24	36	48
Weight Each, Lbs.	¾	⅞	1	1⅜	1¾	2½	3½	5½
Each	$0 75	75	90	90	95	1 00	1 50	1 50
	45	45	55	55	60	70	90	90

No. FJ—INSERTED JAWS

For Wrenches, In.	6	8	10	14	18	24	36	48
Weight Each, Ons	½	½	¾	1	1¼	1½	2	3
Each	$0 25	25	30	30	35	40	50	70
	15	15	20	20	25	30	40	50



No. N—NUTS

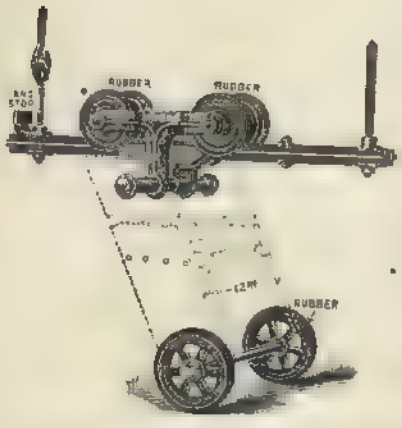
For Wrenches, In.	6	8	10	14	18	24	36	48
Weight Each, Ons.	½	½	¾	1	1¼	2	3	4½
Each	$0 15	15	20	20	22	25	35	50
	09	09	11	11	13	15	20	30

Loose

"DIAMOND EDGE IS A QUALITY PLEDGE"

*STORE LADDERS

THE MYERS CUSHION TIRE



Ladder and trolley, complete, each.... .. $20.00
Track complete, with hangers, per foot. . . .30

The ladder is constructed of the best clear Georgia pine, nicely finished and varnished, showing the natural wood. Has open panel sides, 5 inches wide. Steps have 3½ inch tread. The ladder measures 12 inches over all in width.

The track is double angle steel rail, which is very neat and strong, and is suspended from ceiling by means of lag screws, either jointed or rigid, or by flanged plates and wood screws.

The trolley is self adjusting, fitted with turned steel bearings and 3 inch anti rattler wheels, turned and bored on lathe and fitted with special rubber tires.

The floor travelers are 5 inches in diameter, composed of metal discs with rubber cushion tires clamped in such a position as to be impossible to get off or come loose. These wheels are placed on a steel axle.

Directions for Fitting Store Ladder

Give the exact height of the ceiling and the length of each track, and all the fitting will be done at the factory. If the height of the ceiling varies, give the height of ceiling at each end and center of each run of track.

Cut illustrates a view of the Myers Cushion Tire Store Ladder, showing the track, hanging hook, end-stop, upper and lower trolleys, all complete mounted ready for use.

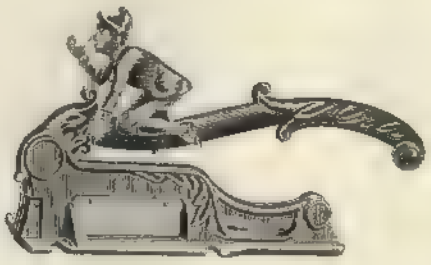
IMPLEMENT BRACKETS

Malleable Iron, Black Enamel Finish

No. 1 Fork bracket, weight per dozen 40 pounds
Per dozen .....$ 8.50
No. 2 Rake bracket, weight per dozen 40 pounds.
Per dozen 10.00
No. 3 Hoe bracket, weight per dozen 40 pounds
Per dozen 7.50

TOBACCO CUTTERS

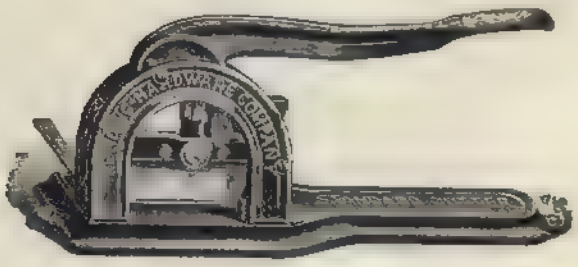
IMAGE



No. 2 The Image, tuscan bronzed, length of base 10 inches, polished blade, weight per dozen 80 pounds.
Per dozen $11.00

TOBACCO CUTTERS

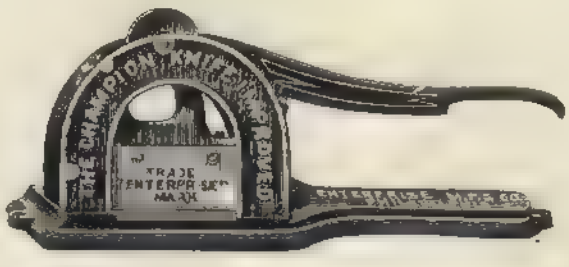
STANDARD



No. 10 Japanned iron frame polished steel sliding blade, cuts 5½ inches wide, weight per dozen 105 pounds, per dozen $24.00

*Not carried in stock; can be shipped promptly from factory

ENTERPRISE



Japanned and nicely finished, tempered steel blade having a draw cut movement.

No. 1 Cuts plug 4¾ inches wide, weight per dozen 115 pounds, each $3.00

STEP LADDERS

CRANBERRY

Screened pine, all joints and braces steel capped, truss rods under each step.

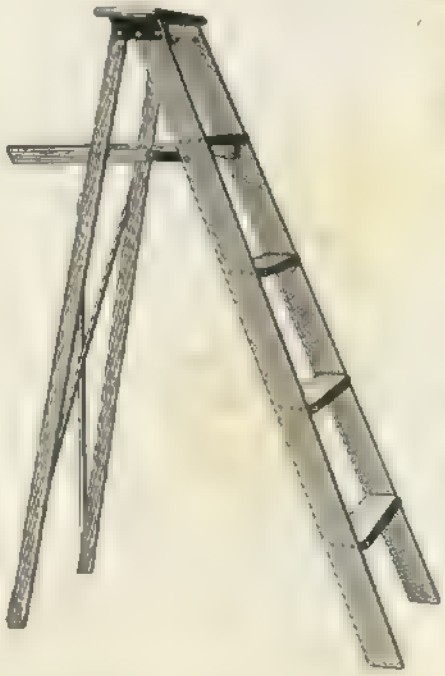
Height, feet	4	5	6	7	8	10	12
Weight, pounds	14	17	21	25	28	35	42
Each	$2.00	2.50	3.00	3.50	4.00	5.00	6.00

CHEROKEE

Strong well seasoned wood all joints and braces steel capped, iron rod under every other step

Height, feet	4	5	6	7	8	10
Weight, pounds	12	15	18	21	24	30
Each	$1.44	1.80	2.16	2.52	2.88	3.60

CUMBERLAND

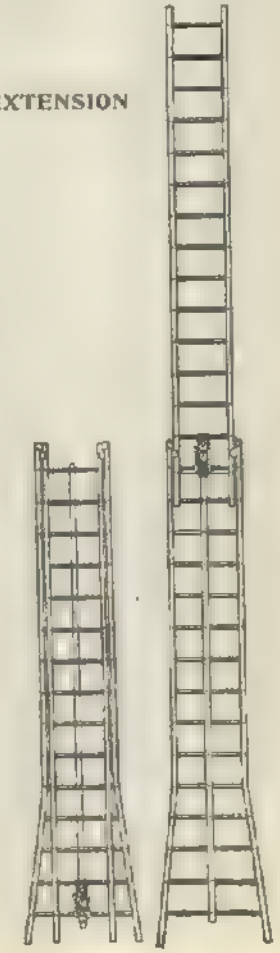


CUMBERLAND

Made of clear pine stock, wide top side rails, steel top irons riveted to top and rails.

Height, feet	4	5	6	8
Weight, pounds	12	15	18	24
Each	$1.10	1.40	1.60	2.00

EXTENSION



EXTENSION LADDERS

Made of best Norway pine, yellow stained sides, hickory rungs, galvanized wrought iron fittings.

Length, feet	26	28	30	32
Weight, pounds	55	60	65	75
Each	$10.40	11.20	12.00	12.80
Length, feet	34	36	38	40
Weight, pounds	78	80	85	90
Each	$13.60	14.80	15.50	17.00

REVOLVER HOLSTERS

RUBBER PISTOL CASES

A flexible rubber holster protects the pistol against rust from perspiration, prevents its wearing through the pocket and permits its instant withdrawal for use. Furnished in three sizes.

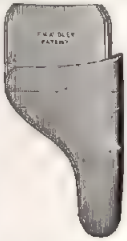
No. 1.	Small size for .22 and .32 calibre revolvers..Each	$ .25
No. 2.	Medium size for H. & R. and I. J. .38 calibre revolvers.....Each	.30
No. 3.	Large size for .38 large frame and .44 calibre Colt and S. & W. revolvers.....Each	.35
No. 1C.	Like No. 1, but with safety clasp.....Each	.35
No. 2C.	Like No. 2, but with safety clasp.....Each	.40
No. 3C.	Like No. 3, but with safety clasp.....Each	.45

AUDLEY'S LEATHER POCKET HOLSTER

The Audley patent holster is the only open style holster in which a revolver can be carried without danger of its being dropped or jarred out. While the holster holds the weapon with a positive grip yet it can be drawn quickly and easily. It is used by the police departments of practically all large cities.

Style "P"

Style "PA"



Style "B"

Style "BX"

Pocket Style "P" for Revolvers

The cylinder of a revolver engages with a shoulder and is held in place by a leather covered steel band. Adaptable to pocket or belt use.

No. 8.	Black leather, not lined, 32 or 38 calibre 3¼ or 4 in. barrels.....	$1.25
No. 8½.	Black leather, rubber lined, 32 or 38 calibre 3¼ or 4 in. barrels....	1.50

Pocket Style "PA" for Automatic Pistols

No. 5.	Russet leather, .32 calibre automatic pistol.....	$1.50
No. 5½.	Russet leather, .35, .38, or .380 calibre automatic pistols....	2.00

Belt-Style "B" for Revolvers

No. 9.	Plain leather, for .32 or .38 calibre 3¼, or 4 in. barrels	$1.25
No. 9½.	Plain leather for .32 or .38 calibre, 5 or 6 in. barrels.....	1.50

Belt-Style "BX" for Revolvers or Pistols

Made of specially fine quality russet leather. The metal catch holds the arm in place but releases easily when pressed down with the forefinger.

No. 3.	For revolvers with 3¼ or 4 in. barrels.....	$2.25
No. 3½.	For revolvers with 5 or 6 in. barrels.....	2.50
No. 4.	For Colt's .25 calibre automatic pistol.....	1.70
No. 4½.	For .32, .35, .38 or .380 calibre automatic pistol.....	3.05
No. 7.	For Luger or Gov. .45 calibre Colt pistol.....	4.00

Delivery Prepaid in U. S. if Cash is Sent with Order at Above Prices

REVOLVER HOLSTERS

Only the best quality leather is used in our holsters. Supplied with loops on the back which fit an ordinary belt or they may be carried in the pocket if preferred. *When ordering calibre give make, model and length of barrel.

OPEN STYLE

A popular pattern, neat, compact, serviceable. Made with guard slot which enables the revolver to be drawn quickly.

No. **132**. For .22 or .32 calibre revolvers, with 3 or 3¼ inch barrels.....Each $ .30
No. **138**. For .38 calibre revolvers, with 3¼ inch barrels.....Each .35
No. **456**. For standard size .32 or .38 calibre revolvers long barrels*.....Each .45
No. **144**. For large frame Colt and S. & W. revolvers, long barrels*.....Each .55

FLAP HOLSTERS

These holsters afford protection against dust and dampness.

No. **332**. For .22 or .32 calibre revolvers, 3 or 3¼ inch barrels.....Each $ .40
No. **338**. For .38 calibre revolvers, 3¼ inch barrels Each .45
No. **567**. For standard size .32 and .38 calibre revolvers, long barrels*.....Each .55
No. **344**. For large frame, Colt and S. & W. revolvers, any length barrel*.....Each .70
No. **C32**. For .25 or .32 Colt or Savage automatic pistol.....Each .60
No. **C38**. For .38 Colt automatic pistol.....Each $ .65
No. **C80**. For .380 Colt or Savage automatic pistol.....Each .65
No. **C45**. For .45 Colt Gov. automatic pistol.....Each .70
No. **L30**. For Luger pistol.....Each .75
No. **706**. Special government style flap holster for large frame Colt and S. & W. revolvers, any length barrel.* Black leather only.....Each 1 50

"OFFICERS" HOLSTERS

A stiff back holster preventing the revolver from coming in contact with the body or sagging down in the pocket. A sure protection against perspiration.

No. **032**. For .32 calibre, 3 inch barrel.....Each $ 50
No. **038**. For .38 calibre, 3¼ inch barrel.....Each $.50
No. **A32**. For .32 cal. Colt or Savage automatic....Each .55
No. **A38**. For .38 or .380 cal. Colt or .380 Savage auto..Each .60

CHAMOIS PISTOL CASE

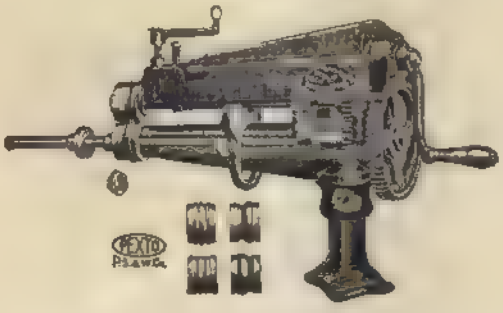
This is made of fine gray chamois conforming to the shape of and completely covering the revolver. Keeps out all dust and dirt and takes up little room in the pocket. Has a hinged steel frame with snap fastening.

No. **29**. .32 cal. 3 in. barrel. Ea. **$.50** No. **39**. .38 cal. 3¼ in. barrel. Ea **$ 60**
No. **49**. .25 cal. Colt auto. " **.50** No. **59**. .32 cal. Colt and Sav. auto " **60**

Delivery Prepaid in U. S. if Cash is Sent with Order at Above Prices

TINNERS' MACHINES

BEADING



For No. 20 Iron and Lighter.

Each

No. 617—Depth of Throat to Frame 13 in., to Gauge 13 in., Distance Between Shaft Centers 2⅝ in., with Three Pairs of Rolls, 2¾ in. Diameter, 1⅛ in. Wide, Ratio of Gearing 3½ to 1, Size of Beads, ⅜ in. Single, 1 in. Ogee, 1 in. Triple, with Wedge Bench Standard, Wt Each 140 Lbs. . . . . $. . .

No. 619—Depth of Throat to Frame 7½ in., to Gauge 6¾ in , Distance Between Shaft Centers 2¼ in., with Three Pairs of Rolls, 2¼ in Diameter, 1⅛ in. Wide, Ratio of Gearing 2½ to 1, Size of Beads, 1/8 in. Single, ⅛ in. Ogee, ⅜ in. Triple, with Wedge Bench Standard, Wt. Each 85 Lbs. . . . . .

RAPID CRIMPING AND BEADING MACHINES

The construction throughout of this machine is exceedingly strong and rigid, and permits of easy and rapid adjustment

Actual tests have demonstrated that for crimping or beading stove pipe, elbows, furnace pipe etc , this type of machine is vastly superior to any other built for the purpose

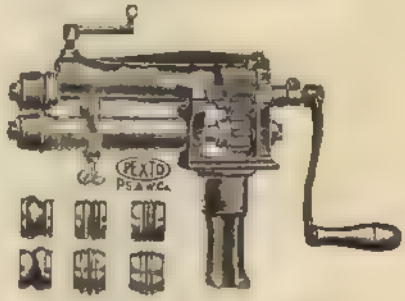
The depression of rolls is accomplished by a foot treadle The contact of the upper beading roll is adjusted by a lever, and this lever also gives an independdent adjustment for raising upper beading roll, taking same out of contact with lower roll, in case crimping only is desired The adjustment of this lever is effected by means of an eccentric device, and is instantaneous in action. This greatly increases the simplicity of this machine, as crimping alone can be done without substituting blank collars for beading rolls. The crank is adjustable for light or heavy work.

For No. 24 Iron and Lighter.

Each

No. 602—With Standard, Weight Each About 38 Lbs . . . . . $. . .

STOW'S BEADING



For No. 26 Iron and Lighter.

Each

No. 620—Depth of Throat to Frame 6¼ in., to Gauge 5½ in., Distance Between Shaft Centers 1⅞ in., with Four Pairs of Rolls, 1¼ in. Diameter, 1⅛ in Wide, Size of Beads ⅝ in. Ogee, ⅝ in. Triple, ½ in. Coffee Pot, 1/8 in Single, with Standard, Weight Each 50 Lbs. . . . . $ . . .

No. 621—Depth of Throat to Frame 4¾ in . to Gauge 4 in., Distance Between Shaft Centers 1 1/16 in., with Five Pairs of Rolls, 1½ in. Diameter, 1 in. Wide, Size of Beads 1/16 in. Ogee, ⅜ in. Triple Coffee Pot, ⅛ in. Double, 1/8 in Astragal and ⅛ in. Single, with Standard. Weight Each 40 Lbs. . . . . $. . .

COMBINED STOVE PIPE CRIMPER AND BEADER

Cut Shows Crimp and Bead as Made on Crimper and Beader No. 585.

For No. 20 Iron and Lighter.

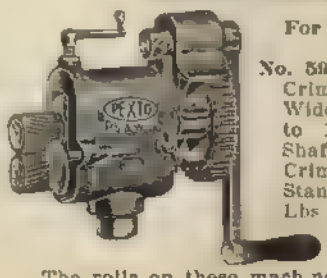
Each

No. 585—1⅜ in Diameter Bead Rolls, 1 in Wide, 1¼ in. Diameter Crimping Rolls, 1¾ in. Wide, 1/8 in. Ogee Bead, Ratio of Gearings 3 to 1, 1¾ in. Between Shaft Centers, Spiral Crimping Rolls, with Standard, and One Pair Blank Collars to Substitute for Beading Rolls when Crimping Alone is Desired, Wt. Each 65 Lbs. . $. . . . .

No. 586—With Straight Crimping Rolls, Otherwise Same as No. 585 . . . . . .

These machines are adjustable for two speeds. Geared for heavy work and may be run direct on light iron.

CORNICE MAKERS' CRIMPER



For No. 20 Iron and Lighter.

Per Dozen

No. 591—1¼ in. Diameter Crimping Rolls, 1¾ in. Wide, Ratio of Gearing 3 to 1, 1¾ in. Between Shaft Centers, Spiral Crimping Rolls, with Standard, Weight Each 63 Lbs . . . . $ . . .

The rolls on these machines are attached to arbor in a manner that leaves the ends or faces of the rolls flush for crimping close up to a bead or angle

TINNERS' MACHINES

COLUMBIAN WIRING

For No. 22 Iron and Lighter.

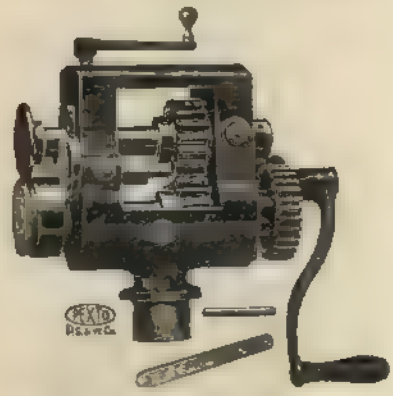
3 in. Diameter Rolls. Will Receive Wire up to ⅛ in. Diameter

Each

No. 525—With Standard, Wt. Each 21 Lbs. $. .

For working metal around wire after the seat has been prepared with the turning machine.

HEAVY TURNING AND WIRING



For No. 18 Iron and Lighter.

3½ in. Diameter Rolls. Ratio of Gearing 2 to 1, for ⅛ to [illegible] Wire, with Extra Set of Rolls

Each.

No. 547—Hand Turning, with Standard. Weight Each [illegible] Lbs $. .

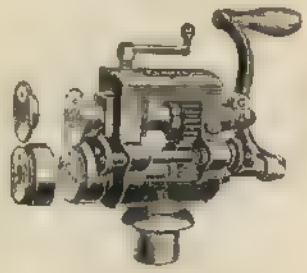
No. 548—Hand Wiring, with Standard. Weight Each [illegible] Lbs . .

No. 547½—Power Turning, 12x2½ in. Tight Pulley, Speed 60 R. P. M., with Standard. Weight Each 155 Lbs .

No. 548½—Power Wiring, 12x2½ in. Tight Pulley, Speed 60 R. P. M. with Standard. Weight Each 155 Lbs . .

These machines are made from heavy patterns and with the proper rolls and gauges they are suited for a variety of operations. Machine cut steel connecting gears are used and the driving gears are cut from solid cast iron. Frames are extra heavy and the machine throughout is proportioned for giving the very best satisfaction up to the full rated capacity.

COLUMBIAN TURNING



For No. 22 Iron and Lighter.

Small.

2⅛ in. Diameter Rolls, for ⅛ in to ¼ in Wire, with Extra Upper and Lower Roll.

Each

No. 541—With Standard, Wt Each 25 Lbs. . . . . $ . .

Large.

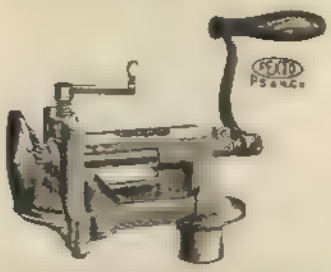
3 in. Diameter Rolls, for ⅛ to [illegible] in Wire, with Extra Upper and Lower Roll

Each

No. 542—With Standard, Wt Each 31 Lbs. . . . . $. . .

For preparing a seat in vessels, etc., to receive a wire.

COLUMBIAN SETTING DOWN



For No. 24 Iron and Lighter.

For Seams up to ⅛ in.

Each

No. 555—With Standard, Wt Each 21 Lbs. . . . . $.

For Seams up to ⅜ in

No. 556—With Standard, Wt. Each 23 Lbs . .

For setting down seams in ironware etc., preparatory to double seaming

COLUMBIAN ELBOW EDGING MACHINE

Cut Shows the Position of an Elbow in Turning the edge

For No. 24 Iron and Lighter.

2½ in. Diameter Rolls.

Each

No. 551—With Standard and One Set of Elbow Edging Rolls, Weight Each 25 Lbs . . $.

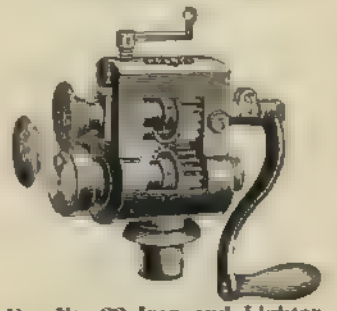
Special Elbow Edging Rolls Quoted on Application.

The faces on these machines make a sharp crease, and are preferred to the ordinary round-edged turning faces

Faces can be used with and readily adapted to either Columbian or Encased Small Turning Machine.

In using this machine, one-third of the time spent in putting elbows together can be saved by the operator.

COLUMBIAN BURRING



For No. 22 Iron and Lighter.

Small.

1½ in. Diameter Rolls, ⅛ in. Widest Burr that can be Turned, with Extra Upper Roll Each

No. 576—With Standard. Wt Each 21 Lbs. . $.

Large.

2½ in. Diameter Rolls, ⅛ in. Widest Burr that can be Turned, with Extra Upper Roll. Each

No. 577—With Standard, Wt. Each 27 Lbs. $.

For turning or flanging bottoms and bodies of vessels, etc

SETTING DOWN

For No. 24 Iron and Lighter.

For Seams up to ⅜ in Each

No. 561—With Standard, Wt. Each 50 Lbs. . . . . $.

For No. 18 Iron and Lighter.

For Seams up to ½ in

No. 562—With Standard, Wt. Each 100 Lbs. . . . . $. . . .

With inclined faces. For setting seams preparatory to double seaming and for closing seams in other work

TOBACCOS

Cigarettes, Cigarette Papers and Pouches

All the well known sellers. You can buy a complete stock right from this page—and your profits will be very satisfactory if you do so. Let us have your next order for tobaccos and cigarettes and you'll be pleased with goods, service and prices.

SMOKING TOBACCOS—In 5c Foil and Tin Packages.

Y8109 "Five Brothers." Long cut. 5c foil. 1 doz. in carton. Doz. 48c

Y8130 "Liberty" [illegible] 4 doz. in carton. Doz. 48c

Y8133 "Navy" [illegible] 4 doz. in carton. Doz. 48c

Y8830 "Sag" [illegible] Doz. 48c

Y8103 "Mint-o'-S Puddin'" [illegible] in pkg. Doz. 48c

Y8102 "Lucky Strike." Roll cut. [illegible] 1 doz. in carton. Doz. 48c

Y8733 "Specialty" [illegible] Doz. 49c

Y8132 "Honest Scrap." 5c foil. 1 doz. in pkg. Doz. 49c

Y8340 "Honest Long Cut." 5c foil. 2 doz. in carton. Doz. 49c

Y8438—"Ivanhoe." Long cut. 5c foil. [illegible] Doz. 49c

Y8108 "Veteran." 5c foil. 1 doz. in carton. Doz. 49c

Y8704 "Union Leader." 5c foil. [illegible] Doz. 49c

SMOKING TOBACCOS In 5c Cloth Packages.

Y8441 "Prince Albert." 5c bag. 2 oz. in box. Box 45c

Y8103 "Bull Durham." 5c bag. 2 oz. in pkg. Doz. 48c

Y8406 "Duke's Mixture." 5c bag. 4 oz. in pkg. Doz. 48c

Y8365 "Velvet." 5c box. 2 oz. in carton. Doz. 48c

SMOKING TOBACCOS In 10c Tins.

Y8839—"Whip." 2 oz. in tin. Doz. 89c

Y8414 "Prince Albert." 2 oz. in tin. Doz. 89c

Y8114—"Velvet." 2 oz. in tin. Doz. 95c

Y8413—"Tuxedo." 2 oz. in carton. Doz. 96c

Y8415—"Lucky Strike." Sliced. 2 oz. in tin. Doz. 96c

Y8408 "Lucky Strike." Roll cut. 2 oz. in tin. Doz. 96c

SMOKING TOBACCOS In Humidors.

Y8817 "Prince Albert" Humidor. 16 oz. [illegible] Each $1.65

Y8379 "Velvet" Humidor. 16 oz. [illegible] Each 70c

CHEWING TOBACCOS.

Y8471 "Battle Axe." 10 oz. plug. Four 10c cuts to plug. 10 lbs. in box. Lb. 32c

Y8419 "Horseshoe." 10 oz. plugs. 4 lbs. in box. Lb. 43c

Y8421 "Spear" 10 oz. plug. 6 lbs. in box. Lb. 43c

Y8470 "Fresh Twist." 1 lb. drums. 11 twists to drum. 8 drums to case. Lb. 45c

Y8406 Y8405

Y8406—"Newsboy." 48 plugs to lb. Two 5c cuts to plug. 10 lbs. in box. Lb. 46c

Y8420—"Spear Head." 7 oz. plug. Five 5c cuts to plug. 10 lbs. in box. Lb. 47c

Y8404—"Boot Jack." 3¼ oz. plugs. Eight 5c cuts to plug. 4 lbs. in box. Lb. 90c

"Piper Heidsieck."

Y8310—5c foilpkg. 1¼ doz. in carton. Doz. 48c

Y8442 — 10c metal box. 1 doz. in carton. Doz. 96c

WELL KNOWN CIGARETTES.

Y8736 Y8737 Y8734 Y8707 Y8718 Y8705

5 Cent Pkgs—All the fast selling brands. 50 pkgs. (500) in carton.

Y8736—"Nebo." Cork tips. 10 in pkg. Per M $3.80

Y8737—"Mecca." 10 in pkg. Per M $4.00

Y8734—"Hassan." 10 in pkg. Per M $4.00

Y8714—"Sweet Caporal." 10 in pkg. Per M $4.00

10 Cent Pkgs—

Y8704—"Zutell." Plain tips. 10 in box, 10 boxes (100) in carton. Counter display box with each order for 100 boxes. Per M $7.50

Y8834 "Turkish Trophies." Cork tips. 10 in pkg. 25 pkgs. (250) in carton. Per M $7.75

Y8708 "Kaiser" Straight Cork tips. 10 in pkg. 25 pkgs. (250) in carton. Per M $7.75

Y8714—"Turkish Trophies." Cork tips. 10 in pkg. 25 pkgs. (250) in carton. Per M $7.75

Y8715 "Melmar." 10 in pkg. 25 pkgs. (250) in carton. Per M $7.75

10 Cent Pkg—200 in carton.

Y8700—"Camel." 10 in pkg. Per M, $4.00

15 Cent Pkg

Y8716 "Salem." 20 in pkg. 10 pkgs. (200) in carton. Per M $5.90
Per less than 100K, $6.00

Y8835—"Mogul." Cork tip. 10 in box, 10 boxes (100) in carton. Per M $10.75

Y8836—"Mirad." Plain tip. 10 in box, 10 boxes (100) in carton. Per M $10.75

Y8707—"Egyptian Luxury." 10 in box, 10 boxes (100) in carton. Per M $10.75

Y8785—15c pkg. "Straight." Very mild, delectable, made for the perpetual smoker will not injure the throat, great 15c seller. 20 in foil pkg. 10 pkgs. (200) in carton. Per M, **$5.65**

CIGARETTE PAPERS.

Y8337 Rizla Thin French 175 sheets in book. 100 books in box. Box of 100 $1.15

Y8339 Rizla Cigarette Tubes. 150 tubes in box. 100 boxes in box. Box of 100 $1.95

Y8379 "Zig Zag" French white rice paper papers in each with [illegible] sheets in book. 100 books in box. Box of 100 $2.50

RUBBER TOBACCO POUCHES.

Y8453 Y8456

Y8453—3 in. self closing red rubber, handy pocket size. 1 doz. in box. Doz. 85c

Y8456—4 in. self closing, heavy red rubber, reinforced seams. ½ doz. in box. Doz. $1.65

"WHIP" READY ROLL SMOKING TOBACCO.

New and extremely popular brand by Patterson Bros. Note our special price.

Y8839 2 oz. oval tin, ready roll mild Virginia tobacco for pipe or cigarette made by Patterson Bros. United profit sharing coupon in each tin. 1 doz. tins in box. Doz. **89c**

"PRINCE ALBERT" SMOKING TOBACCO.

Best known brand on the market at a price which allows you more than the usual profit

Y8441 Y8414 Y8447

Y8441—5c bag. 2 doz. in box. Doz. 45c

Y8114 10c tin. 2 doz. in pkg. Doz. 89c

Y8847 16 oz glass humidor jar. Keeps tobacco in perfect condition. 1 jar in box. Jar, 68c

CIGARS

SELECTED LINE OF POPULAR SELLERS

"Double Extra" — Well made, free drawing, 50 in box.
Y8323—4½ in. Per M, **$10.50**

"Commerce" — Well made, free drawing, banded, 50 in box.
Y8328—4½ in. Per M, **$11.00**

"Buffalo" — Well made, free smoker, burns even; each in humidor pouch. 100 in box.
Y8476—Perfecto, 5 in. Per M, **$13.50**

"Cigar Smokers" — Handmade, short filler, Conn. binder, banded. 50 in cedar box.
Y8295—Perfecto, 4½ in. Per M, **$14.50**

"Lady Constance" — Bonsetto tobacco, banded. 50 in box.
Y8330—Londres Perfecto, 4½ in Per M, **$15.00**

"Two Orphans" — Well made, well known long combination filler, Conn. wrapper, banded. 100 in box.
Y8745—Perfecto, 4½ in. Per M, **$15.50**

"Havana Sweepers" — Brush cut, long filler, Conn. seed wrapper. 50 in box.
Y8440—5 in. Per M, **$16.00**

"Bob Carter" — Selected domestic tobaccos, banded, attractive packing. 50 in 13 top box.
Y8412 Perfecto, 5 in. Per M, **$16.50**

"HAVANA BLUNTS" — 2 for 5 cents. Long combination Havana filler. 100 in box.
Y8353 Panatela, 6 in. Per M, **$17.50**

"El Capitan General" — Well known, old time favorite, well made, good 2 for 5c smoke, broken 100 in box.
Y8778—Club Perfecto, 4½ in. Per M, **$17.50**

"Puro Panatella" — 4 in 10c long combination filler, well made, good smoker, 4 in sanitary metal cigar points. 100 in box.
Y8297 — Panatela, 5 in. Per M, **$19.00**

"La Apetom" — Long combination filler, good blend, Conn. wrapper well made, banded. 50 in box.
Y8779 Perfecto, 4½ in. Per M, **$19.00**

"Think" — For Men Who Do. Long combination filler, mild and pleasing. Conn. wrapper, well made banded. 50 in box.
Y8780—Perfecto, 5 in. Per M, **$20.00**

"Key West Extras" — Havana cut fillers, Fourth Sumatra wrapper. 50 in box.
Y8330—Perfecto, 4½ in. Per M, **$23.00**

"James G. Blaine" — Long filler, shaker blend. 50 in box.
Y8732—Perfecto grande, 6¼ in. Per M, **$25.00**

"Grand Connell" — Florida Sumatra wrapper, Little Dutch and Zimmer filler. 50 in nickel screw top glass jar. 50 in carton
Y8391 —Londres 4½ in. Per M **$25.00**

"Our Special Havana Smoker" — Havana fillers, Havana seed wrapper, 3 bundles 1911 wrapper. 50 in 13 top box
Y8341—Reversales, Per M, **$25.00**

"Lillian Russell" — Choice Seed domestic tobaccos, banded. 50 in box
Y8710—Perfecto, 4½ in. Per M, **$25.00**

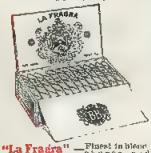
"JOSH BILLINGS" — Connecticut Valley combination filler handmade Key West 50-00 cigar. 50 in box.
Y8508— Perfecto, 4½ in. Per M, **$25.00**

"Duplicator" — The well known brand needs no introduction. Long filler, our finest Connecticut Broad leaf binder Sumatra wrapper handmade. 50 in box
Y8316—Reversales Extra 4½ in
Y8318—Perfecto, 5 in. Per M **$27.00**

"Red Cloud" Improved—Sumatra wrapper combination Havana and domestic long filler, banded. 50 in box.
Y8304 Perfecto, 6¼ in. Per M, **$31.50**

"Cremo" — Sumatra wrapper, handmade. 50 in box
Y8349 — Perfecto 4¼ in. Per M, **$31.50**
Per 100 **$3.25**

"Lady Katherine" — Rare combination of the best grade domestic tobaccos selected Havana seed, wrappers, sweet mild smoke of exceptional quality, like our full Cuban and handmade, usually found on 10c goods 50 in 13 top box
Y8300 Perfecto, 5 in. Per M, **$33.00**



"La Fragra" — Finest in blender shapes and sizes. Per smokers of quality cigars. The straight Havana tobacco used in these cigars is of finest selection, well matured mellow and aromatic, banded. 50 in box. Per M
Y8.00 — Junior 5c size 4½ in. **$33.00**
Y8381—Rezagos, 4¾ in. 35.00
Y8304—Conchas Extra. 4½ in. 58.00
Y8386—Perfecto Fino, 4¾ in. 67.00

"DUKE DE LAMAR" U. S. D. C. CIGARS.

A cigar of distinctive quality. A mild smooth smoke that will satisfy your most particular trade. Guaranteed to be as good as any cigar on the market at like price. TRY A LOT.

Perfect blend, long Havana filler, finest selection, well matured Porto Rican wrapper, hand made, banded, attractive packing. 50 in box

Y8792 "Eulmente" 6 in. 100 straight size. Per M, **$70.00**

Y8790—"Sweets." Panatela shape, 4 in., 50 size. Per M, **$35.00**

Y8791 "Perfectos." Full shape, 4¾in., 40or 50 size. Per M, **$55.00**

Y8793 "Coronas." 5 in. full size and shape, 30or 35o size. Per M, **$85.00**

BUTLER BROTHERS, 495 and 497 BROADWAY, NEW YORK.

COASTERS AND SLEDS.

WOOD COASTERS.

Nos. 5 to 12.

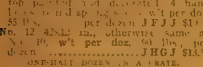
No. 5—36x11 in., top neatly ornamented with animals and scrolls, flat shoes, 4 hand holes, w't per doz. 60 lbs., per dozen ..... **CHJ** $6.00

No. 10—36x11 in., hardwood, varnished, top neatly and decorated, 4 hand holes and spring seat, w't per doz. 85 lbs., per dozen **JFJJ** $10.00

No. 12—42x11 in., oiled white ash seat, w't per doz. 90 lbs., per dozen ..... **JHGJ** $13.50

ONE-HALF DOZEN IN A CRATE.

STEEL SLEDS.



No. 300.

Round Back Angle Steel Runners, Japanned Braced Steel Frame, Wood Top, Hand Decorated.

No. 100—Width 13 in., 2 knees, w't per doz. 90 lbs., per doz. **AJDE** $17.00

No. 200—Width 15 in., 2 knees, w't per doz. 102 lbs., per doz. **ABCJ** $19.50

No. 300—Width 15 in., 3 knees, w't per doz. 114 lbs., per dozen **ADGE** $24.00

ONE-SIX... DOZEN IN A BUNDLE.

STEEL COASTERS.

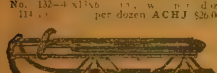
No. 132.

Stamped Steel Knees, Best Crucible Spring Steel "T" Shaped Runners, So Curved in Front as to Give Maximum Length of Steering Surface, Gear and Runners Finished in Red Enamel, Tops of Rock Elm, Beautifully Painted and Decorated.

No. 130—33x11x6 in., w't per doz. 90 lbs., per dozen ..... **JIFJ** $18.00

No. 131—36x11x6 in., w't per doz. 100 lbs., per dozen ..... **ABJJ** $20.00

No. 132—44x11x6 in., w't per doz. 114 lbs., per dozen **ACHJ** $26.00



Stamped Steel Knees, Best Crucible Spring Steel "T" Shaped Runners, Tops of Rock Elm, Handsomely Finished.

No. 133—45x14x6 in., w't per doz. 168 lbs., per dozen **AHJJ** $32.00

ONE-SIXTH DOZEN IN A BUNDLE.

WOOD SLEDS.

No. 85—33x12 in., 2 knees, gear finished on the wood, top painted, decorated and striped, flat shoes, w't per doz. 32 lbs. .....per dozen **CIJ** $5.50

The knees are securely framed, glued and mortised into runners at two angles with square tenons.

No. 87—36x12 in., 3 knees, top painted various colors with decorations and striping, flat shoes, w't per doz. 52 lbs. ....per dozen **EAJ** $9.00

The knees are mortised into runners, with square tenons set at two angles. No other sleds possess these features.

No. 103—33x12 in., 2 bent knees, top finely decorated, flat shoes, w't per doz. 59 lbs. ..per dozen **JFDJ** $16.00

No. 110—36x12 in., 3 bent knees, braced with 6 tinned braces extending from runner to cross beam, top painted in bright colors, nicely decorated and striped, gear finely finished on the wood, flat shoes, goose necks, w't per doz. 97 lbs. per dozen **JIAJ** $14.00

ONE-HALF DOZEN IN A CRATE.

WOOD SLEDS.

No. 105—36x12 in., 3 bent knees, braced with 6 braces, finished on the wood, top nicely painted and decorated, oval shoes, w't per doz. 67 lbs., per dozen .....**JHGJ** $13.50

ONE-HALF DOZEN IN A CRATE, WITH TWO OR MORE STYLES OF DECORATIONS.

TORPEDO RACER.

Stamped Steel Knees, Best Crucible Spring Steel "T" Shaped Runners, Tops of Rock Elm, Handsomely Finished.

No. 136—56x13x6½ in., w't per doz. 168 lbs. .....per dozen **BEBJ** $44.00

Long, low, narrow, racy lines, built for speed.

ONE-SIXTH DOZEN IN A BUNDLE.

BABY GUARDS.

No. 520—18x14½x7 in., hardwood varnished, w't per doz. 25 lbs., per dozen .....**EAJ** $8.00

Supplies the demand for a light, strong and cheap guard for children too small to sit on a sled unsupported. The left cut illustrates the guard and the right cut shows its appearance when fastened on the sled.

ONE DOZEN IN A NEST.

MECHANICAL TOYS

MADE IN THE UNITED STATES

TOURING CAR—UNDERSLUNG STYLE

Stamped Steel, Finished in Bright Colors; Pale Blue Body with Red Seats, Bright Yellow Fenders and Wheels.

Per Dozen

No. 881—Length 8½ inches. Width 4 inches. Height 3¼ inches. Weight each 1¼ lbs. $5 00

Twelfth Dozen in a Box

AUTO ROADSTER

An Exact Replica of a Real Automobile

Stamped Steel, Body Brown Enamelled, Red Seats, Red Enameled Wheels, Imitation Rubber Tires and Mounted Engineer and Steering Wheel, Patent Bumpers.

Per Dozen

No. 902—Length 12 inches, Width 6½ inches, Height 8½ inches. Diameter of Wheels 3¼ inches. Weight each 2½ lbs. $22 00

Twelfth Dozen in a Box

SPECIAL DELIVERY AUTO

Stamped Steel, Body finished in Bright Blue Enamel, Red Seats and Frame, Bright Yellow Fenders, Gold Bronzed Radiator and Steering Wheel, Imitation Rubber Tired Wheels, Patent Bumpers.

Per Dozen

No. 911D—Length 10½ inches, Width 4¾ inches, Height 4 inches, Weight 1½ lbs. $9 00

Twelfth Dozen in a Box

AUTO TRUCK

Stamped Steel, Body finished with Bright Blue Enamel, Red Seats and Frame, Bright Yellow Fenders, Gold Bronzed Radiator and Steering Wheel, Imitation Rubber Tired Wheels, Patent Bumpers.

Per Dozen

No. 812—Length 11 inches, Width 4 inches, Height 6¾ inches, Diameter of Wheels 2¾ inches, Weight each 1¾ lbs. $22 00

Twelfth Dozen in a Box

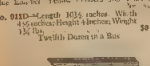
AUTO EXPRESS WITH HOOD

Stamped Steel, Gray Enameled Body, Bright Yellow Seats, Bronze Seat Rail, Fenders and Wheels, Imitation Rubber Tires, Gold Bronzed Radiator and Steering Wheel, Two Rear Bronze Cloth Seats.

Per Dozen

No. 815—Length 16 inches, Width 5 inches, Height 6 inches, Diameter of Wheels 3 inches, Weight each 2½ lbs. $61 00

Twelfth Dozen in a Box



AUTO AMBULANCE

Stamped Steel, Body White Enameled, Bright Yellow Fenders and Wheels.

Per Dozen

No. 831—Length 10½ inches, Width 4 inches, Height 4½ inches, Weight 1 lb. $9 00

Twelfth Dozen in a Box

ARMORED AUTOMOBILE

Stamped Steel, Body Gray Enameled, Bright Yellow Fenders and Wheels, Equipped with Imitation Canteen and Aeroplane Gun

Per Dozen

No. 841—Length 10½ inches, Width 4 inches, Height 4¾ inches, Weight each 1¾ lbs. $9 00

Twelfth Dozen in a Box

ARMORED MOTOR TRUCK

Stamped Steel, Body Gray Enameled Yellow Fenders and Wheels, Imitation Rubber Tires, Equipped with Black Imitation Canteen and Aeroplane Gun

Per Dozen

No. 844—Length 17 inches, Width 5½ inches, Height 7¼ inches, Diameter of Wheels 3½ inches, Weight each 3½ lbs. $54 00

Twelfth Dozen in a Box

MERRY GO-ROUND

A Combination Sidewalk and Mechanical Toy. Practically Indestructible, Revolves when Top is Drawn.

Per Dozen

No. 810—Length 9½ inches, Height 9 inches, Width of Steel Platform 5 inches, Platform 3 inches from Ground, with 4 Horses and Rider, with Canopy. Weight per dozen 36 lbs. $3 00

1 of above in a Box

MOUNTED CANNON

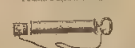
Attached Cork

Made of Steel, Red Enameled Carriage and Open Spoke Wheels, Lever Compression.

Per Dozen

No. 809—Length 8¾ inches, Width 2¼ inches, Weights per Dozen 4½ lbs. $2 70

Half Dozen in a Box



POP GUN

Attached Cork

Per Dozen

No. 450—A Strong and Reliable Gun, Green Colors, Copper Chamber. Length of Gun 10 inches. Weight per Dozen 2½ lbs. $0 90

Three Dozen in a Box

IRON TOYS

MADE IN THE UNITED STATES

In the selection of our line of Toys, Quality, Modern Style, Highest Grade Materials and First Class Workmanship have been the foremost requirements which we have exacted from the manufacturers. We have selected out of hundreds of Styles only those of latest Design and known to be the best for purposes made

AUTO FIRE ENGINES

Finely Finished in Bright Colors; Painted Red with Gold Decorations; Aluminum Finish Driver, Yellow Wheels.

Per Dozen

No. 1818—Length 7 inches, Height 4¾ inches, Weight each 4½ lbs. $6 00

Quarter Dozen in a Box, Six Dozen in a Case, Weight per Case 140 lbs.

Finely Painted, Pasted down, Gold Decorations Red Wheels Furnished with Blue Color Driver, and Nickel Plated Gong.

Per Dozen

No. 1816—Length 9 inches, Height 6 inches, Weight each 3½ lbs. $8 00

One in a Box, Three Dozen in a Case, Weight per Case 150 lbs.

Handsomely Finished, Engine Painted Red, Boiler Painted White with Gold Decorations, Bright Yellow Wheels, Furnished with Section Hose and Nickel Plated Gong, Detachable Chauffeur and Engineer

Per Dozen

No. 1820—Length 11½ inches, Height 7½ inches, Weight each 5 lbs. $27 50

One in a Box, Two Dozen in a Case, Weight per Case 200 lbs.

HORSE DRAWN FIRE ENGINES

Aluminum Painted Engine and Horse, Red Painted Wheels

Per Dozen

No. 800E—Length 8½ inches, Height 5½ inches, Weight per Dozen 6 lbs. $1 80

One Dozen in a Box, Twelfth Dozen in a Case, Weight per Case 180 lbs.

Finely Finished, Engine Painted Green with Gold Decorations, Length 14½ inches, Two Horses

Per Dozen

No. 820—Length 12 inches, Height 8½ inches, Weight each 1 lb. $4 50

Quarter Dozen in a Box, Six Dozen in a Case, Weight per Case 150 lbs.

Finished in Bright Colors, Red Painted Body with Gilt Decorations, Bright Yellow Wheels, Three Horses, Furnished with Reins and Chain Traces.

Per Dozen

No. 802—Length 14 inches, Height 8½ inches, Weight each 3½ lbs. $9 00

One in a Box, Three Dozen in a Case, Weight per Case 180 lbs.

Handsomely Finished, Black Painted Engine, Gold Decorated, Bright Yellow Wheels, Imitation Rubber Tires, Three Horses, Furnished with Engineer and Driver, Chain Traces and Nickel Plated Gong.

Per Dozen

No. 822—Length 13½ inches, Height 8½ inches, Weight each 2½ lbs. $17 50

One in a Box, Two Dozen in a Case, Weight per Case 180 lbs.

HOSE REELS

Aluminum Finished Reel, Black Horse, Red Painted Wheels, Furnished with Hose and Brass Nozzle

Per Dozen

No. 870—Length 11½ inches, Height 4½ inches, Weight each 2½ lbs. $4 50

Quarter Dozen in a Box, Six Dozen in a Case, Weight per Case 140 lbs.

Handsomely Finished, Engine Red, Boiler Painted White, Frame, Red Decorated Red Reel, Two Bright Red Wheels, Imitation Rubber Tires, Two Horses, One Black, One White, with Hose, Nozzle, Chain Traces and Nickel Plated Gong.

Per Dozen

No. 8231—Length 17 inches, Height 9 inches, Weight each 6 lbs. $27 50

One in a Box, Two Dozen in a Case, Weight per Case 300 lbs.

Finely Finished, Bright Colors, Green Frame with Red Reel, Frame Gold Decorated, Bright Yellow Wheels, Two Horses, One Black, One White, Furnished with Hose and Nozzle.

Per Dozen

No. 876—Length 13½ inches, Height 5½ inches, Weight each 2½ lbs. $9 00

One in a Box, Three Dozen in a Case, Weight per Case 180 lbs.

DOUBLE FRICTION TOYS

MADE IN THE UNITED STATES

SPECIFICATIONS

In Presenting to You our [illegible] We Desire to Call Special Attention to a Few Facts for Your Careful Consideration in Deciding on what Toys will meet with a Ready Sale and Give the Best Satisfaction. We Guarantee our Toys to Come Up to Your Highest Expectations in these Respects for the Following Reasons.

[illegible]

[illegible] Wheel [illegible] Perfectly Balanced and Heavy Enough to Insure the Greatest Possible Power.

Our Double Friction Toys are [illegible] New Double Steel Running Wheels, which are the Best and Most Substantial Ever Used on Friction Toys and [illegible] New Wheels are Perfectly True, the Running Qualities of the Toys is Wonderfully Increased.

Our Double [illegible] Enameled [illegible] as well as Outside, [illegible] a Complete Finish and Fine Appearance when in any Position.

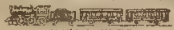
Our Double Friction [illegible] Supplied with Steel Figures, which can be Permanently Fastened to the Toys if Desired.

Our Double Friction Toys [illegible] Kept Strictly Up-to-date in Every Particular.

In Short, Our Double Friction and Mechanical Toys are Popular and in Demand Because of their Newness, Modern Mechanical Construction, Complete Finish, Warranted Durability and Superior Running Qualities.

DIRECTIONS FOR OPERATING DOUBLE FRICTION TOYS

Start the Toy Slowly on the Floor or Carpet by Giving it a Bearing Down Push, so that the Wheels do Not Slip. Lift the Toy off the Floor or Carpet at the End of Each Push and Repeat, Running the Toy Faster Each Time until the Desired Speed is Secured, then let the Toy go.



VESTIBULE LIMITED

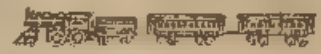
[illegible]

Enameled Red, Boiler Head, Front and Cab Finished in Green; Striped in Gold.

Per Dozen

No. 500 000—Length 37 inches; Width 3½ inches; Height 6⅓ inches; Weight Each [illegible] $40 00

One in a Carton



PANAMA-PACIFIC EXPRESS

[illegible] Our New Express Train. The Two Cars are Provided with a Coupling [illegible] so that they can be Coupled to the Locomotive [illegible] our Full Double Friction Power Movement [illegible] long distance. The Locomotive and Two Cars are Packed as a Train, all in one Carton.

Locomotive Painted Red, with Gold Striping and Green Trimmings. Passenger Cars Painted Light Yellow, with Red Trimmings.

Per Dozen

No. 500—Length 21½ inches; Width 4 inches; Height 4½ inches; Weight Each 1½ lbs. $17 00

One in a Carton

PAY-AS-YOU-ENTER CAR

An Exact Copy [illegible] Reproduction of a Large Pay-as-you-Enter Car. By Pushing a [illegible] it will open the Doors, and Close them by [illegible] Out Again. When Doors are Opened or Closed, a Bell is Made to Ring Automatically. A Real Novelty. No Matter How Rough [illegible] will not Get Out of Order. This Toy is [illegible] Trolley that can be Turned in Either [illegible] Each End. It is a Very Powerful [illegible]

Handsomely Painted in Dark Red, Decorations in Green and Gold.

Per Dozen

No. 720—Length 17½ inches; Width 4½ inches; Height 5⅝ inches; Weight Each 1½ lbs. $18 00

One in a Carton

TRACTION CAR

The Popular [illegible] Appearance [illegible] the Large Open Trolley Car [illegible] Has Reversible Seats which can be Thrown [illegible] Backward. The Seats [illegible] be Placed at Either End of the Car, as the Toy will Run Backward or Forward, one way as well as another. Also has Trolley and Bell, which can be Rung [illegible] just like a Real Street Car.

[illegible] Yellow, decorated in Red, Striped in Gold.

Per Dozen

No. 700—Length [illegible] inches; Width [illegible] inches; Height [illegible] inches; Weight Each [illegible] $17 00

One in a Carton

WARSHIP

Designed [illegible] a Marine Toy, Our Warship is [illegible] for a Child than One that has to be Placed in Water [illegible] Equipped with our New and Latest Improved Double Friction Motor like our Other Toys and will run on a Level Surface, carpet, floor, pavement, etc., making it unnecessary to Mess in Water. This Toy [illegible] Four Guns and is Right Up-to-Date in Every Particular.

Painted in White and Red, Striped in Gold, it Looks as Spick and Span as One of Uncle Sam's Ships in a Naval Review.

Per Dozen

No. 830—Length 16 inches; Width 3¾ inches, Height 5 inches; Weight Each 2½ lbs. $8 00

FLYER (SPRING MOVEMENT)

Being the Spring [illegible] Mechanical [illegible] has Most Appropriately [illegible] named the Flyer [illegible] Two Figures, and is Wound Up by cranking [illegible]

Handsomely Enameled in Light Blue, Striped in Gold, Trimmed in Red.

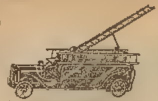
Per Dozen

No. 810—Length 11 inches; Width 5¾ inches; Height 6 inches; Weight Each 2 lbs. $17 00

One in a Carton, Two Dozen in a Case

DOUBLE FRICTION TOYS

MADE IN THE UNITED STATES



AERIAL TRUCK

This Toy [illegible]

[illegible]

[illegible] Red [illegible] Silver [illegible] in Red.

Per Dozen

No. 630—Length [illegible] Weight [illegible] $18 00

DELIVERY VAN

[illegible] Used by Leading Large Department Stores Throughout the Country. It is of All-Steel Construction, and the Floor Inside, Running the Entire Length of the Body of the Toy, affords the Child the Pleasure of Putting Various Little Articles in it and to Deliver them wherever Desired. Handsomely Finished in Dark Red, the Decorations being in Green and Gold.

Per Dozen

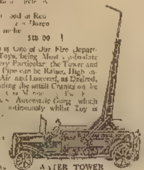
No. 600—Length 11 inches; Width 5 inches; Height [illegible] inches; Weight Each 2½ lbs. $9 00

PARCEL POST AUTO

[illegible] Throughout the Country. A Child can place Small Packages, etc., in the Front Part of the Toy and Deliver them wherever desired. The [illegible] the Steering Wheel and the Toy can be made to Run in a Circle by turning the Front Wheels to Either Side. Finished in a light Green Color, Striped and Trimmed in Gold.

Per Dozen

No. 630—Length 12½ inches; Width 4¾ inches; Height 4¾ inches; Weight Each [illegible] $9 00



WATER TOWER

This is One of Our Fire Department Toys, being Most Complete in Every Particular; the Tower and Water Pipe can be Raised High up to the Air and Lowered, as Desired, by winding the small Cranks on the [illegible] Automatic Gong, which Rings continuously whilst Toy is [illegible] or in a Circle. Beautifully [illegible] Tower Silver Trimmed and Striped [illegible]

Per Dozen

No. 640—Length 20½ in.; Width [illegible] in.; Height [illegible] in.; Wt. 4½ Each lbs. $18 00

DUMP CART

[illegible] and when Hauled to any place Desired, the Child can Dump them out [illegible] Provided for that Purpose [illegible] again be Returned [illegible] Wheel and, if desired [illegible] Side [illegible] Enameled [illegible] Striped and Decorated [illegible]

Per Dozen

No. 585—Length [illegible] inches; Width [illegible] inches; Height [illegible] inches; Weight 2[illegible] lbs. $9 00

TRICKY DUCK

One of the Toys which has Established its Place Amongst the Others of [illegible] Article. With Wings Extended in a Stationary Position, it will Run [illegible]

[illegible]

Per Dozen

No. 610—Length [illegible] inches; Width [illegible] in.; Height [illegible] in.; Wt. Each 1½ lbs. $8 50

ELEPHANT

[illegible] Seated Behind the Elephant [illegible] Similar to the way [illegible] Circus Parade [illegible] Toy is in Motion. This Toy is Equipped with our Full Friction Power and will travel either Forward or Backward. Painted Dark Gray, Trimmings Red, Yellow and Gold.

Per Dozen

No. 615—Length 10½ inches; Width [illegible] in., Height 7 in.; Wt. Each [illegible] lbs. $9 50

SOME MULE

[illegible]

The Mules Head [illegible] in Stride with Each Step [illegible] to the Novelty of the Toy.

The Man can [illegible] Mules Head, if Desired. [illegible] with a Double Friction Motor and will [illegible] Forward or Backward.

[illegible] in Red [illegible]

Per Dozen

No. 625—[illegible] inches; Width 3 [illegible] Each [illegible] lbs. $8 50

REVERSIBLE MOTOR

[illegible] Fly Wheel [illegible] Construction Toys now on the Market. Paints Dark Red, Trimmed in Yellow, Light Blue Stripes.

Per Dozen

No. 910—Length 6 inches; Width 4½ inches; Height 5 inches; Weight Each 1½ lbs. $18 00

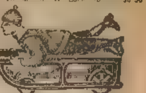
LIMOUSINE (SPRING MOVEMENT)

This Toy Requires no Key, the Mechanism being so constructed that by Throwing the Lever Backward and Running the Toy Forward [illegible] Seven Feet, then [illegible] Again, the Limousine will [illegible] By Adjusting the Front Wheels [illegible] will Run in a Circle. Elegantly Finished [illegible] White. Trimmings in Red, Striped in Gold.

Per Dozen

No. 800—Length 12 inches; Width 3½ inches; Height 6 inches; Weight Each 2½ lbs. $25 00

One in a Carton, [illegible] Dozen in a Crate



COASTER

This [illegible] Toys [illegible] has a Large Artistically [illegible] on the Sled and it will not [illegible] Come Down but also Run Up Hill.

[illegible] be changed in color this season [illegible] enameled in Orange and Red, Green and Black.

Per Dozen

No. 690—Length 9 inches; Width 2 inches; Height 4⅓ inches; Weight Each 1 lb. $4 50

"DIAMOND EDGE IS A QUALITY PLEDGE"

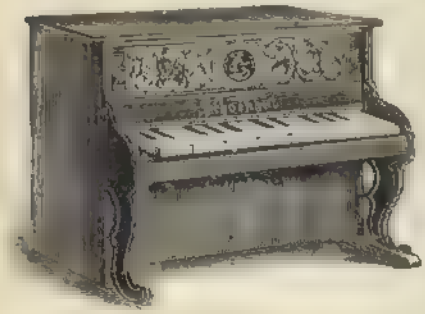
Make the little boy or girl happy—just what they want—durable, well constructed and of good quality—prices exceptionally low

No. 9107.

TOY PIANO STOOLS

No. 9107 Hard Wood, dark mahogany finish, 4 legs, full height 7¾ inches .....Each $ .90
No. 9108 Hard Wood, dark mahogany finish, 4 legs, adjustable seat with steel screw, full height 11½ inches .....Each 1.80

No. 9108.



No. 9103.

TOY PIANOS

No. 9100 10 Keys, with hinged lid, fancy panels, 11⅝x8⅞x7¼, rosewood finish in pasteboard box. Weight 2⅞ lbs. .....Each $2.65
No. 9101 15 Keys, with hinged lid, 15⅝x10¾x8⅛, rosewood finish, in pasteboard box. Weight 4½ lbs. .....Each 3.75
No. 9102 15 Keys, with hinged lid, neat metal bronzed standards and candelabra, 16½x14x[illegible] finish, in pasteboard box. Weight 7¾ lbs. .....Each 7.50
No. 9103 18 Keys, ornamental legs and candelabra, 19x17½x10, rosewood finish, in pasteboard box. Weight 10⅞ lbs. .....Each 11.75
No. 9104 22 Keys 3 panels, hinged lid, 23x24x11, handsomely finished in rosewood, each packed in wooden case. Weight 42½ lbs. .....Each 18.25
No. 9105 37 Chromatic Keys, hinged lid, 3 panels, 23x24x12, handsomely finished in rosewood, each packed in wooden case. Weight 47¾ lbs. .....Each 28.75
No. 9106 37 Chromatic Keys, hinged lid, 3 panels, 25x27x13, handsomely finished in rosewood, each packed in a wooden case. Weight 59¾ lbs. .....Each 40.90

Note:—No stools are included with pianos.

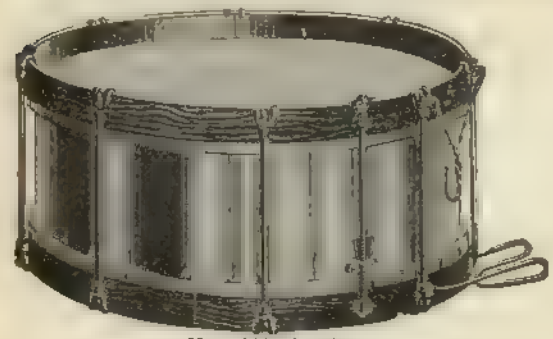
TOY OR YOUTHS' DRUMS

Illustrations Show About One-Eighth Actual Size

No. 91 Metal Shell, imitation brass, handsomely embossed, flag and shields, 7-inch, with sticks .....Each $1.10
No. 92 Metal Shell, handsomely embossed, star and crescent, 9-inch, with sticks and sling...Each 2.10
No. 93 Metal Shell, imitation brass, handsomely embossed, fancy pattern, 10-inch, with sticks and sling .....Each 2.50
No. 94 Metal Shell, imitation brass, handsomely embossed, with Eagle and American flags, 11-inch, with sticks and sling .....Each 2.90
No. 95 Metal Shell, nickel plated, snare drum pattern, heavy cord, two sheepskin heads, 12-in., with sticks and sling. Each 3.60
No. 96 Metal Shell, nickel plated, nickel plated band on hoops, 8 Prussian rods one calf and one sheepskin head, 6 rawhide snares with snare strainer, 12-inch, with sticks and sling...Each 7.00
No. 97 Metal Shell, nickel plated, hoops bound with nickel plated band, heavy drum cord, 9 metal bound drum ears, 2 calfskin heads, 2 rawhide snares, 13-inch, with sticks and sling .....Each 7.00
No. 970 14-inch Bright Metal Shell, 7 inches high, 7 braces, natural colored, maple hooped, 6 snares, long pattern snare strainer, 1 calfskin and 1 sheepskin head, with rosewood sticks Each 14.60
No. 9070 14-inch Bright Metal Shell, 4½ inches high, 6 rods, natural colored maple hoops, 6 snares, long pattern snare strainer, 1 calfskin and 1 sheepskin head, with rosewood sticks .....Each 14.60

SNARE DRUMS

These Drums are positively the Best made and are fully guaranteed. Those listed are our own make and are the product of the largest musical instrument factory in existence. They contain certain features (covered by letters patent) which are not found in other makes, although they are closely imitated on all sides. We use only the very best material obtainable and hoops and flesh hoops are properly fitted, so that there is hardly a possible chance to warp or get out of shape. They are used and endorsed by the World's Greatest Concert Bands and Leading Professionals. Drummers consequently their reputation is achieved solely on their intrinsic merits.

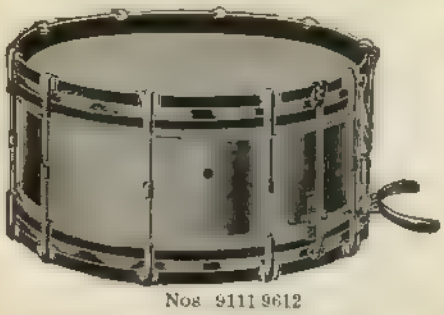


Nos. 9105½, 9615.

BAND DRUMS—PRUSSIAN PATTERN.

MAPLE HOOPS, EBONIZED OR IMITATION ROSEWOOD FINISH. WHITE METAL PLATED RODS AND TRIMMINGS. :: :: FINE FINISHED ROSEWOOD STICKS. RAWHIDE SNARES. :: :: ::

No. 9105½	14-inch Maple Shell, 6 inches high, 7 rods, 6 snares, 1 calfskin head	Each $17 00
No. 9115	16-inch Maple Shell, 6 inches high, 8 rods, 8 rawhide snares, 2 calfskin heads	Each 19 50
No. 9515	16-inch Brass Shell, 8 inches high, 8 rods, 8 rawhide snares, 2 calfskin heads	Each 19 50
No. 9615	16-inch Brass Shell, nickel-plated, same description as No. 9515	Each 20 25

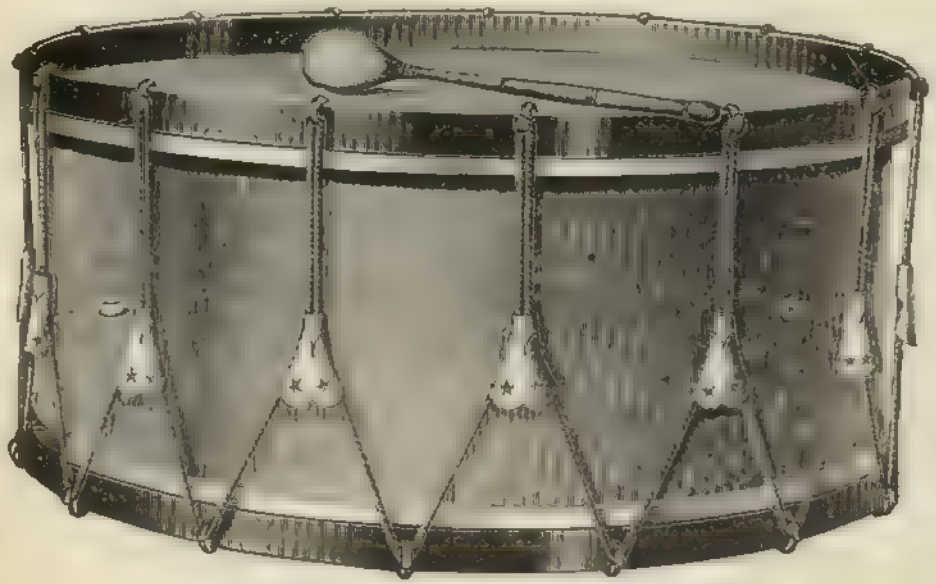


Nos. 9111 9612

"THE NEW DEPARTURE" BAND DRUMS

WITH DOUBLE-ACTING RODS AND FOLDING KNEE REST. :: FINE POLISHED ROSEWOOD STICKS. :: RODS FINISHED WITH FLAT HOOK. :: DO NOT PROJECT OVER THE TOP OF HOOPS. :: MAPLE HOOPS EBONIZED OR IMITATION ROSEWOOD FINISH. :: ::

No. 9111	16-inch Maple Shell, 8 inches high, 8 rods, brass hooks and trimmings, 8 rawhide snares, 2 calfskin heads	Each $22 25
No. 9612	16-inch Nickel plated Shell, 6 inches high, S N P rods, N P hooks and trimmings, 8 rawhide snares, 2 calfskin heads	Each 24 75



BASS DRUMS
REGULATION PATTERN

HOOPS AND FLESH HOOPS PERFECTLY FITTED.

Maple Hoops, Ebonized or Imitation Rosewood Finish, Italian Hemp Cord, Improved Pattern Cord Hooks

Cord can be taken off without removing braces

With Chamois Skin Head Stick

Bird's Eye Maple Shell No.	Mahogany Shell No.		
Nos. 91110	93110	24-inch Shell, 10 inches high, 11 braces, 2 calfskin heads	Each $31 00
Nos. 91110½	93110½	24 inch Shell, same description as above, with 1 calfskin and 1 sheepskin head	Each 28 00
Nos. 91[illegible]	93[illegible]	26 inch Shell, 11 inches high, 12 braces, 2 calfskin heads	Each 32 00
Nos. 91[illegible]½	93[illegible]½	26 inch Shell, same description as above, with 1 calfskin and 1 sheepskin head	Each 31 50
Nos. 91[illegible]	93[illegible]	28 inch Shell, 12 inches high, 13 braces, 2 calfskin heads	Each 36 00
Nos. 91[illegible]½	93[illegible]½	28 inch Shell, same description as above, with 1 calfskin and 1 sheepskin head	Each 35 50
Nos. 91410	93410	30-inch Shell, 12 inches high, 14 braces, 2 calfskin heads	Each 39 00
Nos. 91410½	93410½	30-inch Shell, same description as above, with 1 calfskin and 1 sheepskin head	Each 35 00
Nos. 91510	93510	32-inch Shell, 12 inches high, 15 braces, 2 calfskin heads	Each 42 50
Nos. 91510½	93510½	32-inch Shell, same description as above, with 1 calfskin and 1 sheepskin head	Each 39 00

PENNY NOVELTIES

The market's everything of worth selling and worth using items to retail for a penny. The retailer cannot have too many of these interesting playthings for the children.

MISCELLANEOUS PENNY TOYS.

F5884—Glass Spectacles. Long springs, assrd. colors. ½ gro. in pkg. Gro. 65c

F5887 Boy Scout Magic Drawing Book. 8x6¾, 8 pages assrd. subjects. Intended out by rubbing pencil or coin over surface. ¼ gro. in pkg. Gro. 72c

F5884

F5887

F5888 Metal Chair. H. 2¼ in. bent wire seat enameled assrd. ½ gro. in box Gro. 75c

F5892—U. S. Mail Box. 2x1½, red & green, enameled sheet steel and bronzed steering ½ gro. in box. Gro. 75c

F5885—Mouse. 2 in. natural color rubber, tail of tail, lariat, should ½ gro. in pkg Gro. 78c

F5885—Garden Toys. 3½x6½x1¼ in. assrd. metal hoe rake scraper & rake. Assrd 1 gro. in box Gro. 78c

F5906—"Flyer." Litho tin wings, 10¾ in., spiral rod with slide, when pushed up wings fly. ¾ gro. sent in pkg. . . . . GRO SETS. 82c

F5916—Putty Blower. 20in bright heavy tin wood mouthpiece. ¼ gro. in pkg. . . . . Gro. 84c

F5903—Bead Bracelet. 3 in double strand, small variegated beads, 6 large iridescent pearl shells, 2 clasp ½ gro. in box. Gro. 65c

F5935

F5937

F5935 Celluloid Spectacles. Regulation shape, transparent red, blue green or white frames, nose piece. Assrd ¼ gro. . . . . Gro. 87c

F5897 Folding Pocket Knife. Open 3 in. long, turned wood handle, metal blade, ½ gro. in box. Gro. 89c

F5886 Puzzle Mirror. Diam. 1¾ in. beaded edge, gold frame, assrd. 24 puzzles. ½ gro. in box. Gro. 89c

F5919 Box of Beads. Large variety beads, 1x¾, glass top box. ½ gro. in pkg. . . . . Gro. 89c

F5900—Jumping Frog. Lacquered brown tin plate with legs. When plate is pressed frog leaps. ½ gro. in pkg. . . . . Gro. 89c

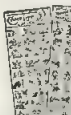
F5914—Monkey on Stick. Length 17 in., in colors. ½ gro. in pkg Gro. 89c

TRANSFER PICTURES.

1 doz. 10 x 7 in. sheets on card 1 gro. sheets in pkg. To retail at 1c per sheet

F5931—Each sheet with 18 perforated strips 8 to 8 pictures, comic dress, soldiers, animals, birds, flowers etc. 1 gro. in pkg. . . . Gro. 65c

F5925—Assrd. flowers and fruits, each sheet with 72 subjects in natural colors, each with name. 1 gro. in pkg Gro. 72c



F5927—17x9¾ assorted Wild West and circus pictures, 36 perforated subjects. 1 gro. in pkg Gro. 72c

F5929—2 series. (1) Boy Scouts, 36 perforated subjects. (2) flying machines and balloons, 36 perforated subjects, bright colors. 1 gro. in pkg Gro. 72c

PENNY MUSICAL & NOISY TOYS.

F5877—Paper Horn. 9¾ in. red, white and blue, mouthpiece. ½ gro. in box. . . . . Gro. 78c

F5873—Cricket Slipper. Assrd. red and green tin, strong spring, tin tinted cricket. ½ gro. pkg. Gro. 84c

F5880—Double Clappers. 6 in. smooth wood, double spring, and clapper. 1 in pkg gro. Gro. 78c

F5869

F5863—Mocking Bird Whistle. 2¾ in. painted tin cylinder assrd. colors, paper wings, tinted imitation mocking bird. ½ gro. box Gro. 85c

F5865—Cricket. Assrd green and red embossed tin imitates cricket and telegraph. 1 gro. box. Gro. 78c

F5867—Trumpet. 3¾ in. assrd. fancy tin ½ gro. in box. Gro. 89c

F5874 Pistol Cricket. 2¼ in. of tin, noise produced by pressing trigger. ½ gro. in pkg. Gro. 84c

F5875 Blow Toy Kit. 10½ in assrt. colors snake, dragon, feather quill, whistle. ½ gro. in box Gro. 89c

F5924 "Kewpies." Copies of original drawings by Rose O'Neill. 12 perforated subjects, name with 3 mo. 4 figures 1 gro. in pkg Gro. 92c

PAINT BOXES

TRANSPARENT SLATES PAINT BRUSHES ETC.

MOIST WATER COLORS.

F3214—Students'. 12 assrd colors, patent tubes, 3 bristle brushes. 1 set in spaced box . . . . . Set. 32c

ARTISTS' OIL COLORS.

F3215—12 assrd colors in patent tubes, bottle linseed oil, 3 bristle brushes. 1 set in spaced box. . . . . Set. 38c

WATER COLOR PAINTS.

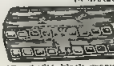
F3747 4½x6¾, 6 assrd. colors in wood discs, tin cup, brush. 1 doz. in pkg. Doz. 35c Gro. $4 00

Non-poisonous, indelible, tin plates, lantern slides, school maps, magazines and zinc subjects, etc. Litho cover boxes.

F3748 4¼x7¼, 12 assrd colors in wood discs, brush. 1 doz. in pkg Doz. 69c Gro. $7 75

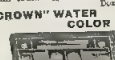
F3749 -10½x7 . . . points in wood discs, 2 tin cups, brush. ½ doz. in box Gro. $4 00 Doz. 79c

WATER COLORS—In Metal Box



F3745 - 2x3¾, black enamel box, 6 mixing spaces in cover, 10 colors in spaced rack, 2 tubes, camel's hair brush. ½ doz. in pkg Doz. $1.95

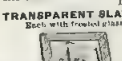
"CROWN" WATER COLOR BOX.



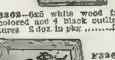
F3269—12 assrd colors in glazed box, pictured top, assrd "Crown" paints, sixteen 1¼ in. colors, 2 saucers, 2 tubes, 1 camel's hair brush. 1 doz. in pkg Doz. 82c

TRANSPARENT SLATES.

Each with frosted glass.



F3262—6x8 white wood frame, 1 colored and 4 black outlined pictures. 2 doz. in pkg. . . . . Doz. 33c



F3265—7¾ x9¾ wood frame, 1 colored and 4 black outlined pictures. 1 doz. in pkg. Doz. 72c

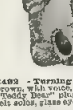
CARDED CAMEL HAIR BRUSH ASST.

F3740 Assrt . . . fine . . . sable . . . and camel . . . handles. Mot. . . . Assrd. 12 doz. on card. Doz. 28c

TOY BEARS

IN DEMAND THE YEAR 'ROUND

POPULAR PRICED TEDDY BEARS.



F3492 - Turning Heads. 9 in., brown, with voice, soft stuffed, long "Teddy Bear" plush, jointed limbs, felt soles, glass eyes. ½ doz. in box Doz. $2.10

F3493—"Crying Cub." 12 in. brown, ribbon collar, double bellows cry in voice. ½ doz. in box Doz. $3.60

F3495—17¾ in., ribbon collar, automatic deep growl. 2 brown 1 white. 4 doz. in pkg Doz. $8.25

CINNAMON PLUSH BEARS.

The sale of the products of domestic bear manufacturers

Fine models, long pile brown plush, soft stuffed, turning head, glass eyes, jointed limbs, diamond paints and soles, voice. 1 in box.

F3600—14 in . . . . . Each, 30 50
F3601—15 " . . . . . " 65

BROWN PLUSH BEARS ON WHEELS.

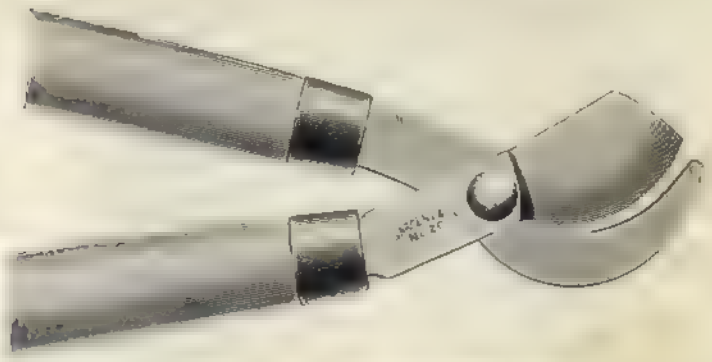
Strongly made, fine models, brown plush covered, nose rings with long chain leashes, wheels connected by metal bars.

F3510—Length 8 in., ht. 6½. ½ doz. in pkg Doz. $2.00

F3600—Length 10 in., ht. 7½, fine plush, natural muzzle, well made. Doz. $4.10

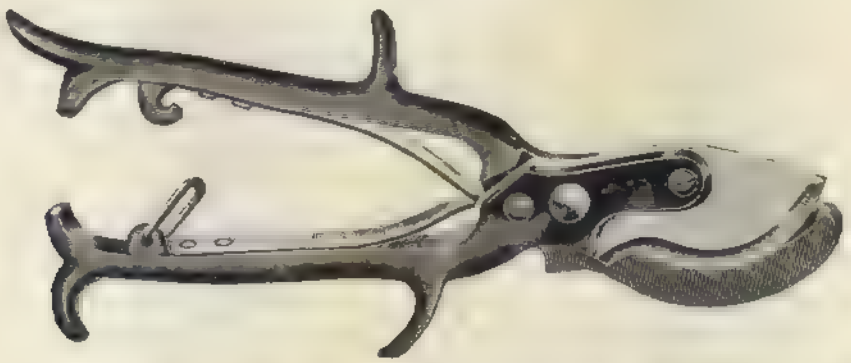
TREE PRUNERS

VICTOR, WOOD HANDLE

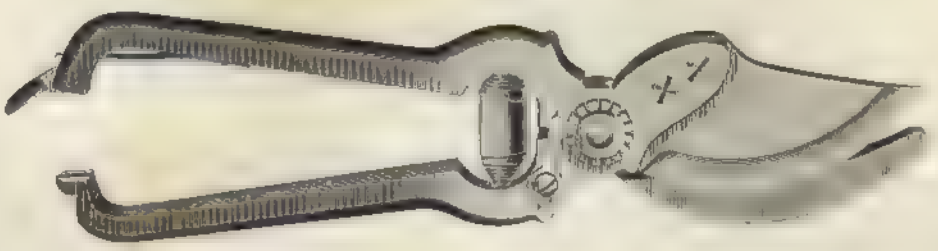


No. 20 Victor Tree Pruners, polished Blades 26 inches long, weight per dozen 45 pounds ..... per dozen, **$20.00**

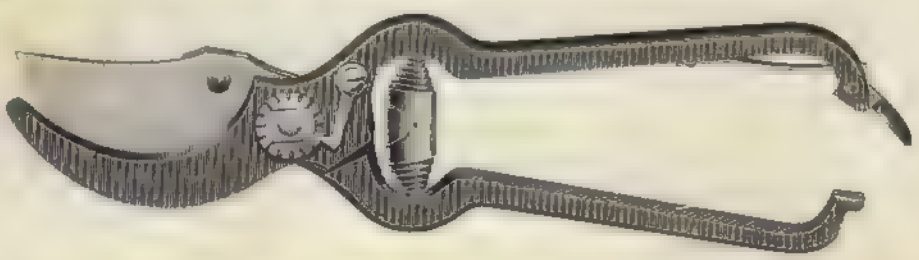
PRUNING SHEARS



No. 00 Connecticut pattern, flat cast steel spring, polished steel blades, japanned handles, weight per dozen 20 pounds per dozen **$4.00**



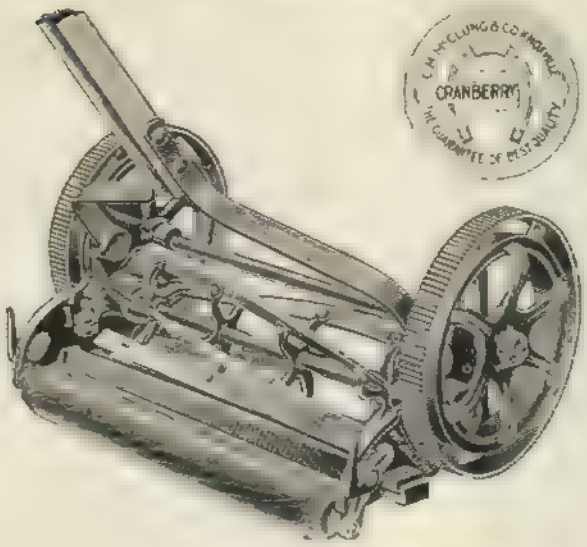
No. R70 9 inches, straw color blades, weight per dozen 13½ pounds ..... per dozen, **$16.00**



No. R50 California pattern, 9 inches, polished blades, weight per dozen 11½ pounds. ..... per dozen, **$8.00**

LAWN MOWERS

NEW CRANBERRY

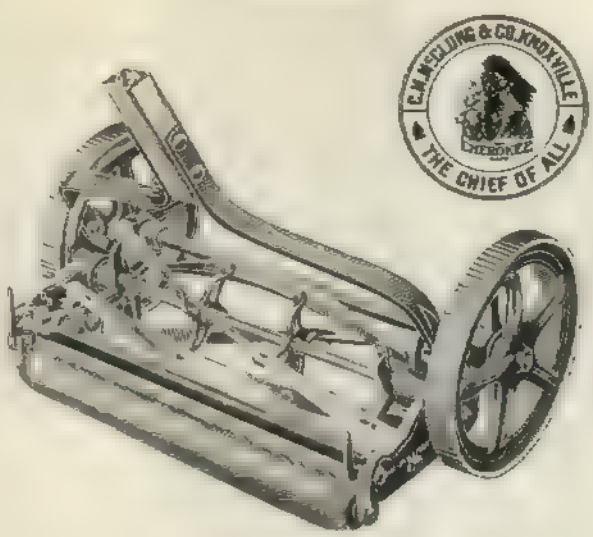


Ball Bearing, Five Blade Reel

Size, inches	14	16	18	20
Weight, pounds	78	82	86	92
Each	$12.50	13.50	14.50	15.50

Eleven inch drive wheels, reel and blades of special manganese steel. The cutter bar blade is made of crucible tool steel. It has a turned up, hardened lip, making it self sharpening. The balls, cup and cones are hardened steel, dust proof. Has extra strong ratchet clutch. Easily set and locked. An easy running, strictly high grade machine. Handsomely painted

CHEROKEE

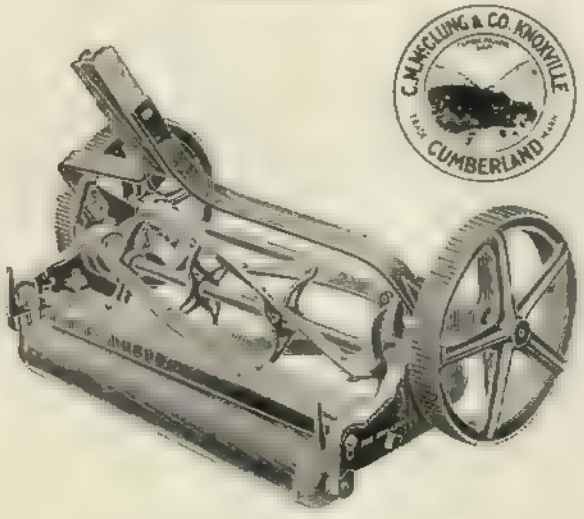


Ball Bearing, Four Blade Reel

Size, inches	14	16	18
Weight, pounds	68	70	73
Each	$10.00	10.50	11.00

Ten inch drive wheels, patent ball bearing adjustment, extra strong ratchet clutch with full length pins. Wheels are fitted with solid hubs and oil retaining chamber. Handles are selected hard maple. These machines are pleasing in design and finish, first class in all particulars.

CUMBERLAND

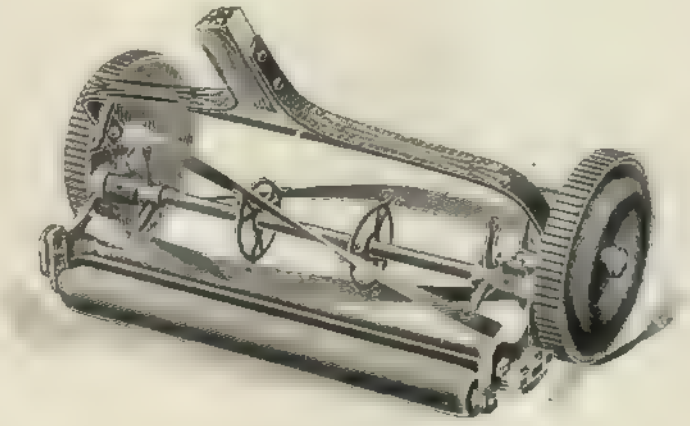


Ball Bearing, Four Blade Reel

Size, inches	14	16	18
Weight, pounds	50	52	54
Each	$8.00	8.50	9.00

Nine inch drive wheels. A fair price mower of exceptional merit. Well made throughout and finished.

JACKSON



Three Blade Reel

Size, inches	12	14	16
Weight, pounds	45	47	49
Each	$4.50	5.00	5.50

Eight inch drive wheels. This is a well built mower of good material at a low price. Nicely finished and will give satisfactory service.

BICYCLE SADDLES

TROXEL EAGLE BRAND

Each

Eagle Racer—Stamped Steel Base, Truss Spring, Nickel Plated, Spring Clamp, English Russet Leather Top, a Neat and Attractive Saddle at a Moderate Price, Length of Seat 10½ inches, Length Over All 11¼ inches, Width 7¾ inches, Weight 1¾ lbs. $2.00

Each

Roadster—Stamped Steel Base, Single Wire Truss, Two Rear Spiral Springs and Nose Coil in Front, as Finished in Black Enamel, English Russet Leather Top, Length of Seat 10¾ inches, Length Over All 11¼ inches, Width 7¾ inches, Weight 2 lbs. $2.00

Each

Empire—Stamped Steel Base, Triple Wire Trusses, New Universal Clamp, Rear Springs and Double Coil Nose Spring in Front, as Finished in Black Enamel, English Russet Leather Top, Length of Seat 10¾ inches, Length Over All 11¼ inches, Width 8¼ inches, Weight 2¼ lbs. $2 80

Each

Eagle Diamond—Stamped Steel Frame and Trusses, Cushion Springs Combined with Universal Spring, as Finished in Black Enamel, English Russet Leather Top, Length of Seat 10¾ inches, Length Over All 13 inches, Width 7¾ inches, Weight 3½ lbs. $3.00

Each

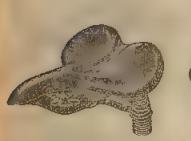
Eagle Monarch—Stamped Steel Frame and Trusses, Cushion Springs Combined with Universal Spring, all Finished in Black Enamel, English Russet Leather Tops, Standard Saddle Clamp, Length of Seat 10¾ inches, Length Over All 13 inches, Width 8¼ inches, Weight 3¼ lbs. $4.00

Each

Eagle Easy—Stamped Steel Frame and Trusses, Cushion Springs Combined with the Universal Coil Spring, all Finished in Black Enamel, English Russet Leather Top, the Universal Clamp on the Saddle prevents it Turning or Twisting; Suitable for Heavy Riders and Hard Usage on Rough Roads, Length of Seat 13 inches, Length Over all 15 inches, Width 8¼ inches, Weight 4 lbs. $5.00

MOTORCYCLE SADDLES

TROXEL EAGLE BRAND



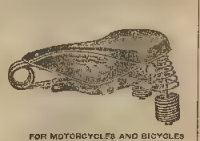
Each

Eagle Motor 7—Stamped Steel Frame and Trusses, Black Enameled, Finest Oil-Tanned Leather Saddle as Supplied with No-Bump Spring Action and Without Nose Coil, which Allows a Low Saddle Position; the Universal Clamp on this Saddle Prevents its Twisting or Turning, Length 14½ inches, Width 13½ inches, Weight 3½ lbs. $9.50

Each

Eagle Motor 8—Stamped Steel Frame Trusses, Black Enameled, Finest Oak Tanned Leather, Equipped with New Spring Action and Without Nose Coil, Giving a Low Saddle Position; the Universal Clamp used on our Saddle Prevents its Twisting or Turning, Length 16½ inches, Width 13½ inches, Weight 3¼ lbs. $12.00

Loose



FOR MOTORCYCLES AND BICYCLES

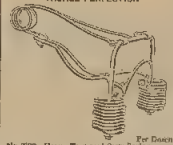
Each

Climax—Stamped Steel Frame and Trusses, Cushion Springs combined with the Universal Coil Spring, All Finished in Black Enamel, English Russet Leather Top, The Universal Clamp on this Saddle Prevents its Turning or Twisting, It is Especially Suitable for Heavy Riders and Hard Usage on Rough Roads, Length of Seat 12¾ inches, Length Over All 13½ inches, Width 8 inches, Weight 4¼ lbs. $6 50

BICYCLE SADDLE SPRINGS

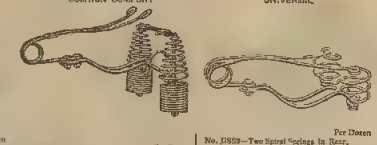
For Wood Base and Suspension Base Saddles
Adjustable to different Styles of Saddles. Rings Furnished at Rear

CUSHION COMFORT



TROXEL PERFECTION

UNIVERSAL



Per Dozen

No. TPS—Heavy Tempered Steel Spring Wire, Nickel Plated, Two Cushion Springs in Heart Oval Front Coil Spring, has the new Nose Coil which strengthens the Saddle Tree, and Flattened Eyes so that it is adjustable to any Wood Base Saddle without using longer Bolts. Length over all 10¾ inches, Weight per Dozen 30 lbs. $10.80

Per Dozen

No. CC—Heavy Tempered Steel Spring Wire, Nickel Plated Cushion Springs Combined with the universal Coil Spring. Coil Spring in front. Length Over All 10¾ inches, Weight per Dozen 18 lbs. $12 00

Per Dozen

No. US3—Two Spiral Springs in Rear, Wire Truss Coil Spring in Front, Nickel Plated Finish has the new Nose Coil which strengthens the Saddle Tree and eyes Flattened so that it is adjustable to any Wood Base Saddle without using longer Bolts. Length over all 10 inches, Weight per Dozen 3 lbs $3.60

EAGLE EASY

Per Dozen

No. ESS—Heavy Tempered Steel Spring Wire Black Enameled Cushion Springs Combined with the Universal Coil Spring for Universal Clamp on the Saddle prevents it Turning or Twisting. Length of Seat 13 inches Length Over all 15 inches Width 8¼ inches, Weight 4 lbs $6.00

+ PARTS FOR EAGLE EASY SADDLE SPRINGS

Also Interchangeable on 10E & 25E Saddles.

	Each
No. 174—Cantle	$0 40
No. 634—Wire Truss	60
No. 623—Wire Truss	35
No. 181—Nose Coil	15
No. 912—Flower Brace	25
No. 913—Rear Cushion	20
No. 709—Rear Spiral	20
No. 95—Rear Yoke	20
No. 178—Bonnet	20
No. 627—Rear Clamp Cover	20
No. 888—Clamp Piece on	20
No. 158—Clamp Bolt	10
No. 950—Clamp Stem Nut	10
No. 167—Clamp Screw	20
No. 264—Screw, Cap	20
No. 169—Adjusting Screw	10
No. 258—Adjusting Screw Nut	10
No. 177—Clamp	10
No. 19—Bolt & Nut	10
No. 17—Bolt & Nut	10
No. 18—Bolt & Nut	10

Twelfth Dozen in a Box

OLESON

Per Set

No. 4—Three Spiral Springs, Nickel Plated with Bolts and Washers Only, Suitable to any Wood Base Saddle, Length 8¾ inches, Weight per Dozen 4½ lbs. $6 00

Loose

COIL SPRING

Per Dozen

No. 2—Coil Spring with Loop, Made for Gents' and Ladies' Saddle; Nickel Plated and Polished, Length Over All 7¼ inches, Weight, per Dozen 3 lbs. $3 00

Loose

BICYCLE SADDLE CLAMPS

STANDARD Per Dozen

No. 70—Full Nickel Plated, Fits All Bicycle Seat Posts Now in the Clamp Used on Most Saddles; Wt. per Dozen 2½ lbs $2.50

Loose

CHALFANT DIRECT Each

No. CD—Full Nickel Plated, for Taper Tubular Seat Posts Now Generally Used for Motorcycles, Bicycles, Etc. Can Only be Used in Connection with Round Spring Saddles. Weight, Each 1 oz. $0 65

One in a Box

MOTOR CYCLE SADDLE CLAMPS

TROXEL UNIVERSAL Each

No. TU—Drop Forged Nickel Plated Clamp Black Japanned, Polished Washers and Nuts; Adjustable to any Position; Weight, Each 1½ lb $1 20

Loose

Items marked ✠ Not Carried in Stock; Can Only be Furnished by Shipping Direct from Factory

"Diamond Edge is a Quality Pledge"

MOTORCYCLE CHAINS

WEED

A Perfect Non-Skidding Device that Assures Traction in Rain, Snow, Wet and Muddy Streets! Insures Safe Riding Without Loss of Power. Prevents Accidents and Avoids Danger, and Should be on Every Motorcycle. Easily Attached and Removed. The Cross Chains are Brass Plated and Hardened to Give the Longest Possible Service Side Chains Heavily Galvanized to Prevent Rusting.

Size Inches	28x2½	28x2¾	28x3	28x3
Weight, lbs., each	2	2	2	2
	$2 25	2 75	2 75	3 00
	$ 3 00	$ 3 75	$ 3 75	$ 4 50

Unmounted.

MOTORCYCLE BOOTS

LACE ON BOOTS

Made of Heavy Fabric and Rubber. To Be Placed Over Blow Out and Laced over Casing with Rawhide Laces which are Furnished with the Boot.

	Each
No. BL81/2 Fits 2x2, 2¼, and 4 inch Motorcycle Casings. All Style Rims. Weight 3 oz.	$ 60

TO HOOK ON

Made of Heavy Fabric and Rubber. To be placed over Blow-Out and Hooks to Rim to keep it in place.

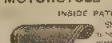
	Each
No. BO2 for 2, 2½ and 2¾ inch Motorcycle Casings. Weight 2 oz.	50 70
No. BO3 for 3 inch Motorcycle Casings. Weight 3 oz.	80
No. BO36 for 3½ inch Motorcycle Casings. Weight 3 oz.	1 00
One pair in a box.	

MOTORCYCLE PATCHES

INSIDE PATCH WITH FLAP

Made of Several Thicknesses of Fabric. Two-sided Tire Fabric Form Fit Under Layer of Rubber. Easily Applied. Cannot Work Off. Patch from Vulcanizing Fluid Not Necessary.

	Per Dozen
No. 6SMP—For 2½, 2¾, and 3 inch Casings. Weight 8 oz.	$ 6 00
Half Dozen in a Box.	3 50



INSIDE PATCH

Shaped to Conform to the Inside Curve of Covers and Protect Tubes from Valve Stem. Fabric Vulcanized Together.

	Per Dozen
No. 6SMP—For 2½, 2¾ and 3 inch Casings. Weight 8 oz.	$ 6 00
Half Dozen in a Box.	3 50

FRICTIONED PATCH

Made of Several Thicknesses of Fabric Vulcanized Together and Covered with Gum Friction Compound. Adheres to the Casing. The Tire Will Cause It to Adhere to the Casing.

	Per Dozen
No. FLMP—For 2½, 2¾ and 3 inch Casings. Weight 8 oz.	$ 2 00
Twelfth Dozen in an Other Shape.	

INNER TUBE PATCHES

Patches are made of Heavy Vulcanized Rubber with Tapered Edges Similar to the Ordinary Patches, and Lined with a Layer of Especially Prepared Rubber which is Self Vulcanizing in Nature and Acts the Same as High Grade Cement Applied to Patch. The Inner Unvulcanized Portion of the Rubber is Protected by Means of Glazed Linen Cloth which Prevents the Soft Rubber Lining from Drying out and Deteriorating.

CONTINENTAL

This is a Pure Gum Patch of exceptional quality. Lined with Self Vulcanizing Stock. Eight Patches, Assorted Sizes in a Screw Top Box.

	Per Assortment
No. CEP—On 8 Covers of Eight Patches, Assorted Shapes. Assorted Sizes, 2½ x 2½, 2¼ x 2¼, 2¼ x 3 Elliptical and 1¼ in. Round, in a Sand Paper and Shielding. All complete in a Box with Full Directions. Weight per Outfit 4 ozs.	$1 00

LIBERTY

Made of a good Grade of Rubber and Lined with a Self Vulcanizing Stock.

Two in Patches in a Screw Top Box as follows: Five 1½ inch Round; Two 3 Inch Round; Two 2½ inch Square; Three 2x1¾ inch Oval.

	For Assortment
No. LP—2 Assortments in Packet. Weight 1 oz. per Assortment 4 ozs.	$ 0 70

FOR MOTORCYCLE AND AUTOMOBILE TUBES

Made of Best Para Rubber, Same Thickness as an Inner Tube.

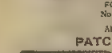
	ROUND Per 100
No. R1½—1½ inch, Weight 100, 4 ozs.	$ 6 00
No. R3 —3 inch, Weight 100, 7 ozs.	8 00

FOR BICYCLE INNER TUBES Per Pound

No. 90—1¼ in. Round about 500 to the lb. $3 60

All above Patches Packed, 100 in an Envelope

PATCHING RUBBER



Made of the Very Best Para Para Rubber, Put up in Strips Three Inches Wide.

	Per Pound
No. 2—Quarter Pound in a Roll. Loose	$ 0 90

VULCANIZING RUBBER

Rugby Vulcanizing Rubber is a High-grade Para Stock made especially for those who desire a High-grade Rubber that Vulcanizes perfectly. Has a very low Specific Gravity and no Filler or Substance will [illegible] in the finished article.

TUBE STOCK—¼ Inch Thick

For Repairing Inner Tubes Per Pound

No. RT¼	$1 60
No. RT½	3 00
No. RT1	5 00
No. RT10	5 70
No. RT100	5 70

CASING STOCK—¼ Inch Thick

For Repairing Outer Casings—Can also be used on Inner Tubes. Per Pound

No. RC¼ —¼ Lbs., In Screw Top Boxes.	$2 40
No. RC1 —1 Lbs., In Screw Top Boxes.	6 00
No. RC50 —50 Lb. Rolls.	2 80
No. RC100—100 Lb. Rolls.	2 60

BICYCLE SADDLES

*RUGBY

"Originated By Us"

Our Rugby Saddles Are Unequalled. They Have Proven Their Durability and Their Popularity to the Satisfaction of Both Dealers and Riders. They Combine the Best of Material Obtainable; Finest Leather Cover; Hair Felt Padding; Wooden Base. Best of Springs of the Various Styles and Champs.

MOTOR BIKE Each

No. 80R—Stamped Steel Frame and Trusses. Cushion Springs combined with the Universal Spring, all Finished in Black Enamel, has Universal Clamp. Engine Russet Leather Top, well Padded with Hair Felt, on Extra Heavy Saddle, Strong and Durable Form. Size Seat 11 in., Length over all 12 in., Width 9 in. [illegible] $5.50

RUGBY Each

No. 28R—Stamped Steel Frame and Trusses. Cushion Springs Combined with the Universal Coil Spring, all Finished in Black Enamel, Ox Blood Leather Top, the Luxurious Champion the Saddle prevents its Turning or Twisting. Suitable for Heavy Riders and Hard Usage or Rough Roads. Length of Seat 13 inches. Width 8½ inches. Weight 4½ lbs. [illegible] $4 50

SPECIAL Each

No. 62R—Russet Leather Covered, Hair Felt Padded, High Back Wood Base Cushion Combination Springs, Nickel Plated. Length of Seat 10 inches. Length over all 11 inches. Width 7½ inches. Weight 2½ lbs. [illegible] $3.00

RUGBY SUSPENSION Each

No. 18R—Stamped Steel Frame and Trusses. Cushion Springs Combined with the Universal Coil Spring all Finished in Black Enamel, has Universal Clamp. Suitable for Heavy Riders and Hard Usage or Rough Roads. Length of Seat 13 inches. Width 8½ inches. Weight 4 lbs. [illegible] $4 00

Each

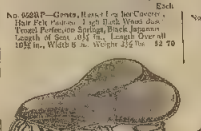
No. 66BP—Gents, Russet Leather Covered, Hair Felt Padded, 2 3/8 Inch Wood Back Tufted Pedestal Springs, Black Japanned Length of Seat 10½ in., Length Over all 12½ in., Width 8 in. Weight 2½ lbs. $2 70

Each

No. 84RP—Gents Russet Leather Covered Hair Felt Padded Low Back Wood Base Tufted Pedestal Springs, Black Japanned Length of Seat 10½ in., Length Over all 12½ in., Width 8 in. Weight 2½ lbs. $2 50

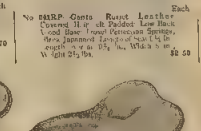
Each

No. 88RC Gents Russet Leather Covered Hair Felt Padded High Back Wood Base Cushion Combination Springs, Nickel Plated. Length of Seat 10 inches. Length Over all 12½ inches. Width 8 inches. Weight 2½ lbs. $2.40



Each

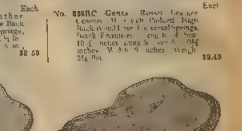
No. 11RC—Gents, Russet Grain Leather Covered, Soft Padding, Universal Springs, Nickel Plated. Length 10½ inches. Length over all 12½ inches. Width 8 inches. Weight 2 lbs. $1.70



Each

No. 20R—Gents, Nickel Plated Truss Springs, Russet Leather Covered Wood Base. Length 9½ inches. Width 7½ inches. Weight 1¼ lbs. $1.20

Loose



Each

No. 67RC—Ladies, Nickel Plated Coil Springs, Russet Leather Cover Wood Base. Length 8 inches. Width 8½ inches. Weight 1¾ lbs. $1.80.

"DIAMOND EDGE IS A QUALITY PLEDGE"

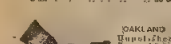
HOSE NOZZLES

RAINMAKER
Polished Brass, Adjustable to Throw Spray, Solid Stream or to Shut Off.
Per Dozen
No. R—For ¾ inch Hose, Length 4 inches; Weight per Dozen 6 lbs. $6.00

MYSTIC
Polished Brass, Adjusts de for Spray or Solid Stream, Cannot be Shut Off. Per Dozen
No. M—For ¾ inch Hose; Length 8½ inches; Weight per Dozen 3 lbs. $6 00
One Dozen in a Box

GENUINE GEM
Polished Brass, Adjustable to Throw Spray, Solid Stream or to Shut Off.
Per Dozen
Gem—For ¾ inch Hose, Length 4 inches; Weight per Dozen 8½ lbs. $9 00
One Doz in a Box

UNIVERSAL
Polished Brass; Adjustable to Throw Spray or Solid Stream or to Shut Off.
Per Dozen
No. U—For ¾ inch Hose, Length 3½ inches; Weight per Dozen 8 lbs. $6 00



OAKLAND
Made of Heavy Brass. Adjustable to Throw Spray or Solid Stream, or to Shut off.

Set for Solid Stream

Set for Spray

No. O—For ¾ inch Hose; Length over all 7½ inches; Weight per doz. 23½ lbs. Per doz. $7 00
One Dozen in a Box

CENTRAL

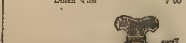
Set for Solid Stream

Set for Spray

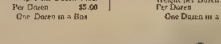
Made of Heavy Brass Tee Plated Sent Before; adjustable to throw Spray or Solid Stream, cannot be Shut off, can be held in Hand or Stuck in Ground, will stay where it is placed.
No. C—For ¾ inch Hose; Length over all 8½ inch. Weight per Dozen 3 lbs. Per Dozen $5 00
One Dozen in a Box

PLAIN TIP
Polished Brass, for ¾ inch Hose
Per Dozen
No. P346—4 inches Long. Weight per Dozen 3 lbs $5 00

No. P348—6 inches Long, Weight per Dozen 4 lbs 7 00



SPRAY COCK
Polished Brass. Adjusts de to Throw Fine or Coarse Spray, Solid Stream or to Shut Off
No. 200—For ¾ inch Hose; Length 4 inches; Weight per Dozen 6 lbs. Per Dozen $9 00
One Dozen in a Box



BRASS RING
Throws a Fine Spray Over a Very Large Surface, Can be Conveniently Move without Shutting off the Water, will Stand the Heaviest Pressure
Per Dozen
No. 225—3 inch Polished Brass Ring; Hole is 1¼ inches. Top Perforated with four Holes. Weight per Dozen 10 lbs. $10 00
Twelfth Dozen in a Box

SCREW TIP, POLISHED BRASS

HOSE PIPE THREADS				IRON PIPE THREADS				
For ¾ inch Hose				Nos.	Size	Length	Wt. Doz.	Per Dozen
			Per Dozen	13½	1 in.	8½in.	7 lbs.	$13 00
No. 1356	—6 inches Long; Weight per Dozen 4 lbs.		$7 50	31612	1½in.	12 in.	16 lbs.	22 00
				31213	1½in.	12 in.	23 lbs.	27 00
No. 1287½	—7½ inches Long; Weight per Dozen 4½ lbs.		9 00	222	2 in.	12 in.	33½lbs.	40 00
				22815	2½in.	15 in.	48 lbs.	59 00

Loose

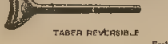
To Ordering, the Exact Thread Must be Specified

UNDERWRITER HOSE PIPES
Brass Pipe, Malleable Wrought, Riveted Red

† No. UHP—For 2½ inch Hose 30 inches Long Swivel Hands, Allows Pipe to Rotate; Screw Tip; Weight 8 lbs. Each $11 00

Loose

HOSE SPANNERS OR WRENCHES



TABER REVERSIBLE

	Each
No. TR—For 2½ inch Couplings. Galvanized Malleable Iron; 9½ inches Long; Weight 1 lb.	$0 70

Loose

COMMON
Galvanized Iron, 11 inches Long

Nos.	2½	3	3½
For Couplings, in	1½	2	2½
Per Dozen	$3.00	$4.50	$6.00

Loose; Weight per Dozen 9 lbs.

LAWN SPRINKLERS

Ball Bearing Head, Spins without Friction, will Throw Water Over a Very Large Area or by Loosening the Pressure Will Sprinkle a Short Distance.
Per Dozen
No. 350—Made of Heavy Brass Tee Plated Sent Before; adjustable to throw Spray or Solid Stream, cannot be Shut off, can be held in Hand or Stuck in Ground, will stay where it is placed.
No. C—For ¾ inch Hose; Length over all 8½ inch. Weight per Dozen 3 lbs. Per Dozen $5 00
One Dozen in a Box

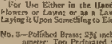
PLAIN TIP
Polished Brass, for ¾ inch Hose
Per Dozen
No. P346—4 inches Long. Weight per Dozen 3 lbs $5 00

No. P348—6 inches Long, Weight per Dozen 4 lbs 7 00

SPRAY COCK
Polished Brass. Adjusts de to Throw Fine or Coarse Spray, Solid Stream or to Shut Off
No. 200—For ¾ inch Hose; Length 4 inches; Weight per Dozen 6 lbs. Per Dozen $9 00
One Dozen in a Box

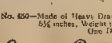
BRASS RING
Throws a Fine Spray Over a Very Large Surface, Can be Conveniently Move without Shutting off the Water, will Stand the Heaviest Pressure
Per Dozen
No. 225—3 inch Polished Brass Ring; Hole is 1¼ inches. Top Perforated with four Holes. Weight per Dozen 10 lbs. $10 00
Twelfth Dozen in a Box

FOUNTAIN SHOWER
Throws a Fine Spray over a Very Large Surface.
For Use Either in the Hand for Sprinkling Flowers or Lawns; or as a Lawn Sprinkler by Laying it Upon Something to Elevate it Slightly.
Per Dozen
No. S—Polished Brass; 2¾ inches in Diameter. Top Perforated, with Fine Holes. Weight per Dozen about 2 lbs $3.00
One Dozen in a Carton



AMERICAN
Throws a Fine and Evenly Distributed Spray. Has no Revolving Parts and Cannot Clog
Per Dozen
No. A—4½ inch Base Height 2½ inches. All Iron Rod Japanned Base Head and Hose Connection. Weight per Dozen 14 lbs. $5 00
Twelfth Dozen in a Box

BABY FOUNTAIN
Throws a Fine Mist, Like a Spray Over a Square Plot of Grass instead of a Round Plot. Can be Conveniently Removed Without Shutting off the Water
Per Dozen
No. 223—Polished Brass; 6¼ inches in Diameter. Height 11 inches. Top Perforated with Fine Holes. Weight per Dozen about 5 lbs. $6 00
Twelfth Dozen in a Box

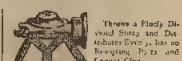


HALF-CIRCLE FOUNTAIN
The Most Attractive Spray that thoroughly covers but Half of a Full Circle. The Water is Used as a Lawn Sprinkler so that it can be Moved about Without Shutting off the Water
Per Dozen
No. 6—Polished Brass, 4¾ inches Long by 2¾ inches High. Weight per Dozen about 4 lbs. $6 00
Half Dozen in Carton

ROSS
The Spreader throws the Water in a Fan-Shaped Spray descending like rain without force. The most delicate Foliage Plants can be watered without injury. Covers a surface of from 6 to 10 feet in width. It is also very efficient for washing windows and porch floors.
Per Dozen
No. 650—Made of Heavy Brass Hose Length 5 inches Weight 6½ inches. Weight per doz. 8 lbs. $14 00
One Dozen in a Carton

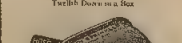
Small in Size but will furnish a Large Area and Distribute the Spray Evenly.
Per Dozen
No. 350—7½x8¾ inch Black Japanned Iron Base; Polished Brass Upright Tube and Head, Polished Brass Arms, 5½ inches Long; Black Japanned Iron Hose Connection, Height 8¾ inches; Weight per Dozen 28½ lbs. $11.50
Twelfth Dozen in a Box

Throws a Fine Spray also Distributes the Water Evenly but has no Revolving Parts to Cannot Clog; Largely Used in Public Grounds.
Per Dozen
No. 253—6x7 inches, Red Japanned Iron Base, Head and Hose Connection. Height 2 inches. Weight per Dozen 27 lbs $11 00
Twelfth Dozen in a Box

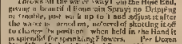


Throws a Finely Divided Spray and Distributes Even; has no Revolving Parts and Cannot Clog.
Per Dozen
No. 255—14x8½ inches, Red Japanned Iron Base, Head and Hose Connection. Height 2¾ inches. Weight per Dozen 6 lbs. $6. 00
Twelfth Dozen in a Box

"CRESCENT" FOUNTAIN
Throws a Fine Spray to Front and Sides; will Sprinkle Over a Large Area or can be Held in Hand for Sprinkling Flowers; Not Necessary to Turn Water Off to Change its Position. Extra Large Base Prevents it from Turning Over.
Per Dozen
No. C—Made of 22 Gauge Brass, Polished. Length 8¾ inches. Width 5½ inches; Weight per Dozen 9 lbs $10.00
Twelfth Dozen in a Box



HANDY
Throws all the water right out the Hose End, gives a Sheath of Fine and Strong Spray to Dripping or Trouble, and will keep it and adjust at after the water is turned on, no need shutting it off to change its position when held in the Hand it is splendid for sprinkling flowers. Per Dozen
No. H5—Made of Polished Brass 4½ inches Long x 2¼ inches High, Weight per Dozen 4 lbs $6.00
Half Dozen in a Box



TWIN SPRAY
Per Dozen
No. 22—6x2¾ inch Base, Height 2¾ inches; All White Metal.
Weight per Dozen 7 lbs $5.00
Twelfth Dozen in a Box

Items Marked * Not Carried in Stock; Can Only be Furnished by Shipping Direct from Factory

UNION CARBIDE

Best Quality, Highest Gas Yield

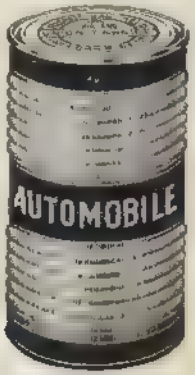
This high grade carbide is always packed in gray packages

Packed in Gray Drums with Blue Bands Capacity 100 lbs.

No. 38

Packed in Gray Cans with Blue Bands Capacity 2 lbs.

No. 46



Packed in Gray Drums with Blue Bands Capacity 100 lbs.

No. 39

Packed In Gray Cans with Blue Bands Capacity 10 lbs.

No. 30

No. 38	Union Miners' Lamp in 100 pound drums	per 100 pounds, $
No. 48	Cameo Miners' Lamp in 100 pound drums	per 100 pounds,
No. 46	Union Miners' Lamp in 2 pound cans, 2 dozen in case	per dozen cans,
No. 30	Union Auto and Bicycle Lamp in 10 pound cans	per can
No. 40	Electrolite Auto and Bicycle Lamp in 10 pound cans	per can
No. 39	Union Automobile in 100 pound drums	per 100 pounds,
No. 49	Cameo Automobile in 100 pound drums	per 100 pounds,

MINERS' SUPPLIES

MINERS' CAPS

No. 211, 214

No. 200, 201

No. 220, 205

		Per Dozen
No. 211	White Duck, medium weight, sole leather visor and front, weight 3½ pounds	$5.00
No. 214	Brown Duck, medium weight, sole leather visor and front, weight 3¼ pounds	5.00
No. 200	White Duck, heavy weight, tin front, weight 3 pounds	3.50
No. 201	Brown Duck, heavy weight, fibre front, glazed visor, weight 3 pounds	3.50
No. 220	White Duck, medium weight, tin front, weight 3 pounds	2.75
No. 205	Brown Duck, medium weight, tin front, weight 3 pounds	2.75

MINERS' BELTS

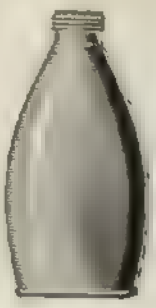
Leather, 1 inch wide, extra strong buckle, weight 3½ pounds ..per dozen, $6.00
White Duck, 1½ inch wide, leather ends, weight 3¼ pounds ..per dozen, 2.50

MINERS' SUPPLIES

BELT OIL CANS

	Per Dozen
One half pint, tin, 3⅞ inches, weight per dozen 3 pounds	$1.10
One pint, tin, 4½ inches, weight per dozen 5 pounds	1.25
One half pint, galvanized, weight per dozen 3 pounds	1.25
One pint, galvanized, weight per dozen 5 pounds	1.50

BOTTLE SHAPED OIL CANS

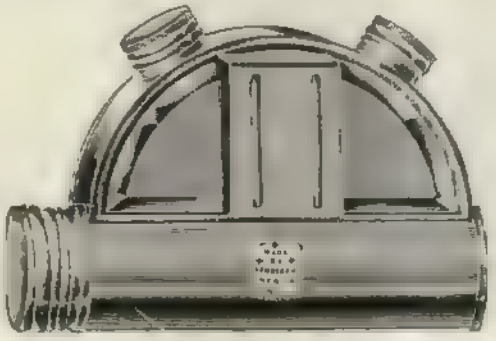


One pint, tin, cork lined screw cap, 7 inches, weight per dozen 3 pounds, per dozen $2.00

POWDER CANS

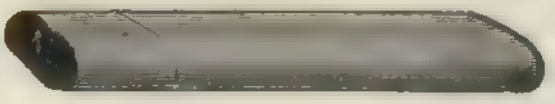
Capacity, pounds	3	5	12½
Weight per dozen, pounds	5	8	11
Tin, per dozen	$2.00	3.00	4.00

CARBIDE WATER AND MATCHBOX CANTEEN



Tin, weight per dozen 2 pounds, per dozen $4.00

SQUIB BOXES



Oval pattern, heavy tin, holds 100 squibs, weight per dozen about 1½ pounds, per dozen $0.90

MINERS' SQUIBS

Daldow & Beadle, 6 inches long, weight per case 35 pounds, per 1,000 ..... $20.00
Powell, 5 inches long, weight per case 26 pounds. Per 1,000 ..... 20.00

100 in a box; 10,000 in a case

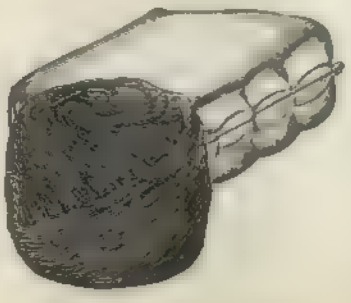
BLASTING PAPER

9 inch rolls, 1½ pounds per roll.

Cranberry Best quality, waterproof, per roll ..... $.....
Cherokee Medium quality, waterproof, per roll. ....
Black Diamond Medium quality, waterproof, per roll. ....

100 rolls in a case

MINERS' LAMP WICKING



High grade, hard twisted, 10 balls to the pound, per pound ..... $.....

Five pounds in a bag

UNIVERSAL COFFEE PERCOLATORS

Copper, Nickel Plated; Ebonized Handles; Aluminum Filter Cup and Spreader Plate; Inside Coated with Pure Tin

Nos.	Capacity Cups	Height Inches	Weight lbs.
44	4	8½	2½
46	6	9½	3
48	8	10½	3½
410	10	10½	4

Nos.	Capacity Cups	Height Inches	Weight lbs.	Each
54	4	8	2½	$3 50
56	6	8¾	3½	4.00
58	8	9½	4	4.50
510	10	10	4½	5.50

35-37-39 435-437-439

Nos.	Capacity Cups	Height Inches	Weight lbs.	Each
35	4	8¼	3½	$3 00
37	6	9¼	4½	4 50
39	8	10¼	6½	6.00
35	4	8	4	4 50
37	6	9	5	6.00
39	8	10	6	8.00
435	4	8	4	6.00
437	6	9	5	8.00
439	8	10	6	7.00

787 785-789 775-779

Nos.	Capacity Cups	Height Inches	Weight lbs.	Each
787	4	9	3½	$12.00
785	6	10½	4½	15.50
789	8	11	5½	17.50
775	6	9½	5½	9.50
779	8	10½	6½	10.50

One in a Carton

"DIAMOND EDGE IS A QUALITY PLEDGE"

UNIVERSAL COFFEE PERCOLATORS

ALUMINUM

Nos.	Capacity, Cups	Height, in.	Weight, lbs.	Each
74	4	8	3	$4.00
76	6	9¼	3½	5.50
78	8	10	3½	6.50
710	10	10½	4½	7.50

Nos.	Capacity, Cups	Height, in.	Weight, lbs.	Each
84	4	7½	3	$4.50
86	6	8	3½	6.50
88	8	9	3½	7.50
810	10	9½	4½	8.50

Nos.	Capacity, Cups	Height, in.	Weight, lbs.	Each
403	4	7¼	3	$4.00
406	6	8	3½	5.50
408	8	8½	4	6.50

One in a Carton

Nos.	Capacity, Cups	Height, in.	Weight, lbs.	Each
404	4	8	3	$5.50
406	6	9	3½	6.50
408	8	10	4	7.50

ENAMELED PERCOLATORS

Blue Enameled Outside, White Enameled Lining. The Filter Cup, Tube, Valve and Heater Plate are pure Aluminum.

Nos.	Capacity Cups	Height, in.	Weight, lbs.	Each
1104	4	6½	2½	$2 15
1106	6	7½	2½	2.50
1108	8	8½	3	2.85
1114	14	9½	3½	6.00

One in a Carton

PERCOLATOR DISPLAY STANDS

Avery Neat and Attractive Display Stand for Art Shop, Room or Window Display. Will hold Seven Percolators and Side. Made of Stamped Sheet Steel, Specially Enamel, Black Enameled and Lettered in Gold. Length of Base 26 in., Length of Base Cross Piece 16 in. Length of Top 8 in. Width of Steel 2 in. Length over all 14 in. Weight each 25 lbs.

Note—Display Stands for Universal Coffee Percolators will be Furnished Gratis on all Orders for Percolators of Two (2) Dozen or over. In less Quantities Stand will not be Furnished.

One in a Box.

TEA BALL TEA POTS

UNIVERSAL

Complete with Tea Ball

The Tea Leaves are Placed in the Tea Ball, which is then Drawn Up Into the Cover and Held by a Lock—the Pot is Filled with Freshly Boiled Water and the Tea Ball Lowered Into it for a Few Minutes and then Raised Into the Cover Again. The Result is—Perfect Tea.

Sectional View Showing Tea Ball in Position

No. 106N—Capacity, 6 Cups; Nickel Plated Copper, Lined with Pure Tin, non-Heating Handle. Height 7 inches; Diameter 7 inches. Weight Each 1¾ lbs. Each $3 60

No. 306N—Capacity, 6 Cups; Nickel Plated Copper, Lined with Pure Tin; non-Heating Handle. Height 7 inches; Diameter 6¾ inches. Weight Each 1¾ lbs. Each $3 00

One in a Box

Filling Tea Ball

Raising and Fastening It in Cover

No. 806—Capacity 6 Cups, Highly Polished Aluminum, Lined with Pure Tin. Rhenish wood Handle and Knob. Iron Stay. Height 8½ inches; Weight Each 1 lb. Each $1 70

One in a Box

ROME TEA BALL TEA POTS

Complete with Tea Ball

The Tea Leaves are Placed in the Tea Ball, which is then Drawn Up Into the Cover and Held by a Lock. The Pot is Filled with Freshly Boiled Water and the Tea Ball Lowered Into it for a Few Minutes and then Raised Into the Cover Again, the Result is—Perfect Tea.

With this Tea Pot there is no opportunity for waste, being simple and durable. A snake nothing can become displaced or get out of order. Aluminum basket. Genuine silver chain and fastenings. Handle and knob finished in rubberoid enamel.

Pot made of sheet copper, nickel plated, heavily lined with tin

No. 2012—Capacity 2 Cups. Height 7¾ Inches. Weight per Dozen 25 lbs. Per Dozen $30 00

No. 2014—Capacity 6 Cups. Height 8 Inches. Weight per Dozen 36 lbs. 40 00

One in a Pasteboard Box; Three of a Size in a Corrugated Paper Carrier. Weight of Carton about 10 lbs. Full Directions with each Tea Pot

UNIVERSAL COFFEE PERCOLATING MACHINES

Made of Copper, Nickel Plated, Ebonized Handles, Inside Coated with Pure Tin, Aluminum Filler Cap, Tube and Valve, Glass Top

Nos. 206-229

Nos. 230-330

Nos. 6130-6139

Nos. 706-709

Nos.	Capacity Cups	Height Inches	Weight Lbs.	Each
206	6	14½	4½	$9 50
229	9	16	5	11 00
230	6	15	5	11 00
330	9	16	5½	12 00
6130	6	15	5	13 50
6139	9	16½	5½	15 00
706	6	15	5	13 50
709	9	16½	5½	15 00

One in a Wooden Box

Nos. 870-879

Nos. 6140-6149

Nos. 606-609

Nos. 606-909

Nos.	Capacity Cups	Height Inches	Weight Lbs.	Each
870	6	14½	4½	$14 50
879	9	16	5	16 00
6140	6	15	5	15 00
6149	9	16½	5½	17 00
606	6	15	5	15 00
609	9	16½	5½	17 00
906	6	15	5	16 50
909	9	16½	5½	18 00

One in a Wooden Box

"DIAMOND EDGE IS A QUALITY PLEDGE"

UNIVERSAL

Coffee Percolators—Electric

X-Ray View Showing Operation.

No. E964	Nickel or Copper.	4 Cups.	$15.20
No. E966	Nickel or Copper.	6 Cups.	16.75
No. E966	Silver Plated.	6 Cups.	19.25
No. E969	Nickel or Copper.	9 Cups.	18.25
No. E969	Silver Plated.	9 Cups.	21.80

PATENTED VALVE AND PUMPING PROCESS

(Gives a Perfect Flow of Water Through the Tube)

which insures perfect coffee and is exclusive with Universal Coffee Percolators

UNIVERSAL

Chafing Dish—Electric

No. E920 Nickel or Copper, $30.40 Silver Plated, $42.55

EFFICIENCY—DURABILITY—ECONOMY

TABLE KETTLES

No 511N

UNIVERSAL

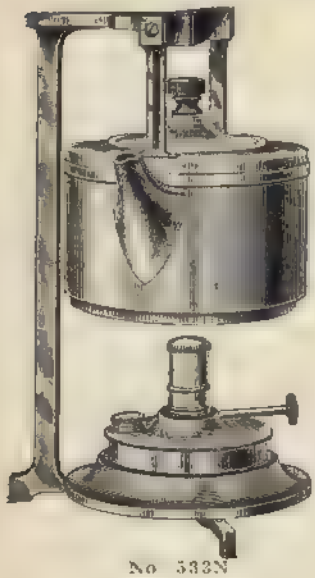
Copper, Nickel Plated, Ebonized Handles and Knob, Equipped with Safe and Efficient Alcohol Lamp.

No.	511N
Capacity, Pints	3
Height Over All, Inches	11¼
Weight Each, Lbs.	9½
Each	$14.25
No.	514N
Capacity, Pints	2½
Height Over All, Inches	12⅛
Weight Each, Lbs.	8¾
Each	$16 50

These two types are built so that they may be tilted in the stand, with which they are furnished.

One in a Carton

No. 514N



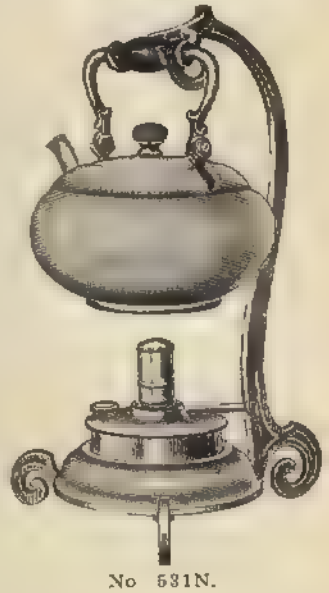
No 533N

Copper, Nickel Plated, Ebonized Handles and Knob, Equipped with Safe and Efficient Alcohol Lamp.

No.	533N
Capacity, Pints	2½
Height Over All, Inches	13½
Weight Each, Lbs.	9¾
Each	$11 75
No.	531N
Capacity, Pints	3
Height Over All, Inches	13½
Weight Each, Lbs.	10
Each	$13 00

These two types are built so that they may be lifted off the stand, with which they are furnished.

One in a Carton



No 531N.

ALCOHOL FLAGONS

UNIVERSAL

Nickel Plated.

	Each
No. 100N Capacity ½ Pint, 4¼ in. High Over All, Weight Each ¾ Lb.	$3.25
Copper.	
No. 100C Capacity ½ Pint, 4¼ in. High Over All, Weight Each ¾ Lb.	$3.25

Nickel Plated.

	Each
No. 600N—Capacity ½ Pint, 4¼ in High Over All, Weight Each ¾ Lb.	$4 00
Copper.	
No. 600C Capacity ½ Pint, 4¼ in High Over All Weight Each ¾ Lb.	$4.00

The Flagons are air-tight to prevent evaporation. They pour when the knob on top of the handle is pressed

One in a Box

CHAFING DISHES

COLUMBIA

Nickel Plated, Ebonized Handles and Knob.

Heavy Copper Food Pan and Cover, Lined with an Extra Heavy Coat of Pure Tin. Brass Legs and Base. Powerful Hot Blow Flame Alcohol Gas Stove. Has an Artistic Design and General Air of Distinction.

Each

No. 210N. Capacity 3 Pints, 10½ in. High Over All. Weight Each 8⅝ Lbs. . . . **$8 00**

One in a Box.

UNIVERSAL

Nickel Plated, Ebonized Handles and Knobs.

Extra Heavy Gauge Copper Food Pan and Cover, Lined with an Extra Heavy Coat of Pure Tin. Brass Legs and Base. Powerful Universal Hot Blow Flame Alcohol Gas Stove with Automatic Gas Control, Insuring Absolute Safety.

Each

No. 900N. Capacity 3 Pints, 12 in. High Over All. Weight Each 13¼ Lbs. **$16 50**

One in a Box.

CHAFING DISH FORKS AND SPOONS

UNIVERSAL

Silver Plated.

No. 900. 12 in. Long, German Silver, Silver Plated, Ebonized Handles. Weight Per Pair 1¼ Lbs. . Per Pair **$5 00**

One Fork and One Spoon in a Paper Box

Silver Plated.

No. 600—12 in. Long, German Silver, Silver Plated, Ebonized Handles. Weight Per Pair 1¼ Lbs. . Per Pair **$5 00**

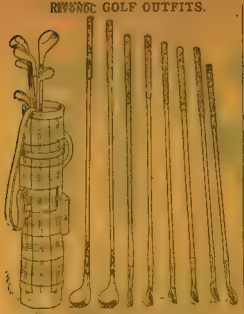
Silver Plated.

No. 400—12 in. Long, German Silver, Silver Plated Ebonized Handles. Weight Per Pair 1¼ Lbs. . Per Pair **$5 00**

One Fork and One Spoon in a Paper Box.

GOLF OUTFITS, CADDY BAGS AND GOLF BALLS.

RIVERSIDE GOLF OUTFITS.



No. 1 RIVERSIDE Three-Club Outfit.

1 RIVERSIDE wood driver ..... each $3.00
1 RIVERSIDE midiron ..... each 2.70
1 RIVERSIDE putter ..... each 2.70
1 No. 501 RIVERSIDE canvas caddy bag, leather trimmings and bottom, with ball pocket ..... each 2.15
2 golf balls ..... for 1.60

Total list ..... JGFJ $12.75

No. 2 RIVERSIDE Four-Club Outfit.

1 RIVERSIDE wood driver ..... each $3.00
1 RIVERSIDE cleek ..... each 2.70
1 RIVERSIDE driver ..... each 2.70
1 RIVERSIDE lofter ..... each 2.70
1 No. 501 RIVERSIDE canvas caddy bag, leather trimmings and bottom, with ball pocket ..... each 2.15
3 golf balls ..... for 2.25

Total list ..... AJAJ $16.10

No. 4 RIVERSIDE Five-Club Outfit.

1 RIVERSIDE wood driver ..... each $3.00
1 RIVERSIDE socket brassy ..... each 3.00
1 RIVERSIDE cleek ..... each 2.70
1 RIVERSIDE driver ..... each 2.70
1 RIVERSIDE lofter ..... each 2.70
1 No. 501 RIVERSIDE canvas caddy bag, leather trimmings and bottom, with ball pocket ..... each 2.15
6 golf balls ..... for 3.60

Total list ..... ADBJ $22.60

No. 5 RIVERSIDE Six-Club Outfit.

1 RIVERSIDE socket driver ..... each $3.00
1 RIVERSIDE socket brassy ..... each 3.00
1 RIVERSIDE driving cleek ..... each 2.70
1 RIVERSIDE midiron, grooved ..... each 2.70
1 RIVERSIDE lofting mashy ..... each 2.70
1 RIVERSIDE putter ..... each 2.70
1 No. 4 RIVERSIDE caddy bag, leather reinforced ..... each 6.00
6 golf balls ..... for 5.00

Total list ..... AGJE $27.80

No. 6 RIVERSIDE Six-Club Outfit.

1 RIVERSIDE socket driver ..... each $3.00
1 RIVERSIDE socket brassy ..... each 3.00
1 RIVERSIDE driving cleek ..... each 2.70
1 RIVERSIDE midiron, grooved ..... each 2.70
1 RIVERSIDE lofting mashy ..... each 2.70
1 RIVERSIDE putter ..... each 2.70
1 No. 601 RIVERSIDE caddy bag, leather reinforced bottom, ball pocket ..... each 8.15
12 golf balls 1.80

Total list ..... BCDE $24.95

RIVERSIDE CADDY BAGS.

No. 502. No. 504. No. 602.

No. 501 RIVERSIDE—4¼ in., heavy brown waterproof duck, trimmed with orange leather, reinforced bottom, 1¼ in. web sling, pitcher handle, brass dragger, ball pocket, w't each 2½ lbs., per dozen ..... AGBJ $27.00

No. 502 RIVERSIDE—4¼ in., heavy tan duck, trimmed with orange leather, reinforced bottom, 1¼ in. web sling, pitcher handle, brass dragger, ball pocket, three steel supporting stays, w't each 2½ lbs., ... per dozen BAFJ $36.00

No. 503 RIVERSIDE—4¼ in., heavy waterproof duck, trimmed with chocolate leather, reinforced bottom, 1¼ in. web sling, pitcher handle, brass dragger, ball pocket, three steel supporting stays, w't each 2½ lbs., ... per dozen BGJJ $45.00

No. 504 RIVERSIDE—4¼ in., heavy white waterproof duck, krimmed with russet leather, reinforced bottom, leather sling and choke strap, pitcher handle, brass dragger, ball pocket, three steel supporting stays, w't each 2½ lbs. per dozen ..... CBDJ $34.00

No. 601 RIVERSIDE—6 in., heavy waterproof khaki duck, trimmed with orange leather, leather reinforced bottom 1¼ in. web sling and choke strap, pitcher handle, brass dragger, ball pocket, four steel supporting stays, w't each 3¼ lbs.....per dozen CBDJ $54.00

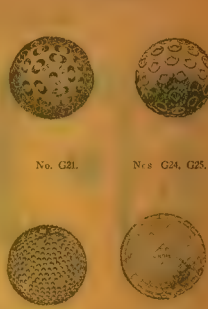
No. 602 RIVERSIDE—6 in., heavy waterproof army duck, tan shade trimmed with brown leather, leather reinforced bottom, sling and choke strap, pitcher handle, brass dragger, double flap ball pocket, four steel supporting stays, bottom lined with raw hide, w't each 3½ lbs.....per dozen DFHJ $78.00

No. 603 RIVERSIDE—6 in., heavy white waterproof army duck, trimmed with russet leather, leather reinforced bottom, sling and choke strap, pitcher handle, brass dragger, ball pocket, four steel supporting stays, attached hood to lock over end of clubs, w't 4 lbs. ..... per dozen EJDJ $84.00

No. 202 RIVERSIDE—Lady's, 3½ in., tan heavy russet leather, lined with imitation leather, reinforced bottom, s[illegible] detachable with snap, ball pocket, opening top and bottom, brass trimmings, w't each 2½ lbs., 12 bore ..... EJDJ $24.00

ONE IN A BOX BOARD CARTON.

GOLF BALLS.



No. G21. Nos. G24, G25.

No. G27. Nos. G31, G32.

No. G33—Meteor, triangular depressions, full size, floating, per dozen .. .. JFJJ $10.00

No. G20—King Bee, pebble marking, full size floating, per dozen . ..... JGCJ $13.50

No. G21—Crescent Colonel, pebble marking, full size floating, per dozen .. .. JGBJ $12.00

No. G22—Diamond Crown, depressed marked, for extreme distance, floaters and sinkers ..per dozen JGBJ $12.00

No. G24—Diamond Ring, sunken ring with raised diamond marking, will not float .. per dozen JQBJ $12.00

No. G25—Diamond Ring, sunken ring with raised diamond marking, floating .....per dozen JGBJ $12.00

No. G27—Colonel Floater, w't each 27 dwt. .....per dozen JHDJ $14.00

No. G31—Colonel, full size, depressed marked, sinkers, w't each 31 dwt., per dozen ..... JHDJ $14.00

No. G32—Diamond Ace, small size, depressed mark, sinkers, w't each 31 dwt. .....per dozen JHDJ $14.00

ONE-HALF DOZEN IN A BOX.

CROQUET SETS.

REVERSE

No. 10.

No. 17.

No. 10 REVERSE. 4 ball professional set, 8½ in. varnished and stained mallets with 27 in. maple handles, five striped and varnished balls, heavy beaded four color stakes, extra heavy gal. arched irons with sockets, wt per set 32 lbs., per set ..... BAE $ 00

No. 17 REVERSE. 4 ball set, 6 in. rock maple, hand turned, stained and bronzed mallets, ebonized and bronzed balls and maple handles, two large beaded faces striped and bronzed eight color stakes, heavy galvanized arches with sockets, wt per set 28 lbs. .....per set CCJ $3.50

No. 14.

No. 15.

No. 14 REVERSE. 4 ball professional set, 9 in. one color striped and varnished mallets with 27 in. varnished handles, two color striped and varnished balls, faces large four color and gold stakes, extra heavy coppered arches with sockets, wt per set 20 lbs. .....per set BCJ $3.90

No. 15 REVERSE. 4 ball professional set, 9 in. rock maple, hand turned, stained and varnished mallets, ebonized and bronzed balls, maple handles, two large beaded faces striped and bronzed four color stakes, heavy galvanized arches with sockets, wt per set 20 lbs. .....per set BHJ $4.90

ONE SET IN A FINISHED HINGED WOOD BOX

"CRUSO."

Nos. 1 to 3.

No. 4.

No. 1—"Cruso," 4 ball set, 5 in. plain oiled mallets with 28 in. one color banded handles, one color banded varnished balls, plain one color stakes, coppered arches, wt per set 14 lbs. .....per set JGJ $1.20

No. 2—"Cruso," 6 ball set, wt per set 16 lbs., otherwise same as No. 1 .....per set JJE $1.50

No. 3—"Cruso," 8 ball set, wt per set 19 lbs., otherwise same as No. 1 .....per set AJE $1.80

No. 4—"Cruso," 8 ball set, plain eight color stakes, wt per set 19 lbs., otherwise same as No 1 .....per set ACJ $2.20

No. 9.

No. 9—Cruso, 4 ball professional set, 8½ in. plain varnished mallet with 28 in. one color banded handle, eight color stakes, one color banded and varnished balls, coppered arches, wt per set 21 lbs. .....per set ACE $2.40

No. 6—Cruso, 6 ball professional set, wt per set 23 lbs., otherwise same as No. 9. .....per set AGJ $2.90

No. 11—Cruso, 8 ball professional set, wt per set 26 lbs., otherwise same as No 9. .....per set BAJ $3.50

ONE SET IN A FINISHED HINGED WOOD BOX

CROQUET BALLS.

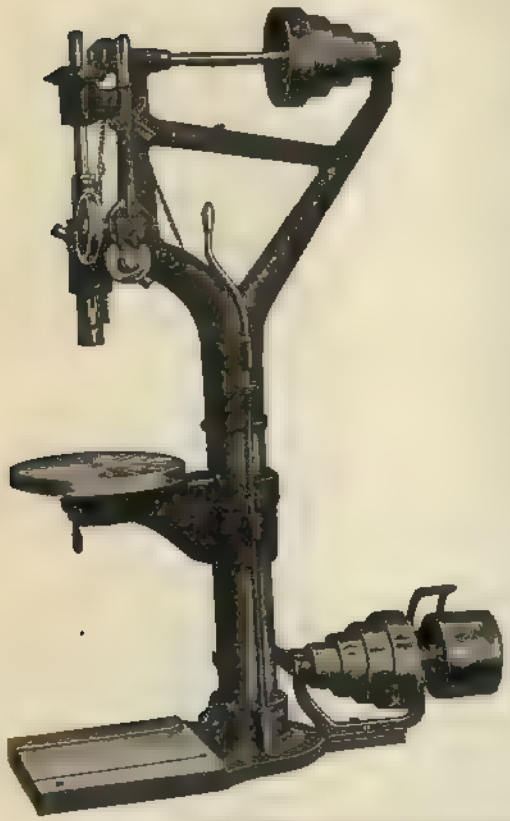
No. 4—Rock maple, varnished, with 4 stars per set ..... JGJ $1.00

PACKED LOOSE.

UPRIGHT POWER DRILLS

SILVER'S 20 INCH SWING DRILL

Combined Lever and Wheel Feed.



The Combined Lever and Wheel Feed Drills permit either the lever or the wheel to be used, without affecting the other.

The patterns from which these drills are made are entirely new and the designs insure great strength and efficiency, also convenience of operation. They are well adapted to meet the up-to-date and exacting requirements of modern machine shop practice

Bevel Gears are accurately cut from solid blanks, the cog rack is forged from steel and the teeth are milled to gauge.

The Quality of the Drill is indicated by its substantial appearance Every part is finished with special care and the materials used are the best procurable. All details have been carefully worked out. The top shaft has split bearings to permit of taking up wear.

Table has easy up-and-down adjustment and swings to either side.

When the tool is wanted only for drilling, the countershaft for it is provided with tight and loose pulleys, 8 in. diameter by 2¾ in. face, as shown in the accompanying engraving, and should make 200 revolutions per minute. For tapping and drilling, a friction countershaft is required.

Drive Shaft has tight and loose pulleys; turns 1⅜ times to 1 turn of spindle

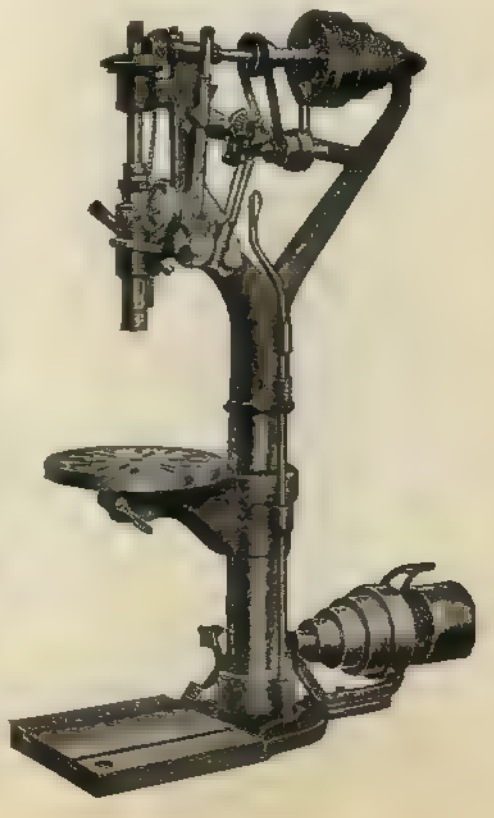
Square Base, Complete as Shown, Drive Shaft with Tight and Loose Pulleys.

Each

No. 858—68¼ in. High, 5½ in. Diam. Column, 16 in. Diam Table, 1⅜ in. Diam. Spindle, Vertical Travel of Spindle 10 in., Vertical Travel of Table 16 in., Spindle Bored for No. 3 Morse Taper, Distance from Column to Center of Table 10¼ in., Distance from Spindle to Base 41⅛ in., Distance from Spindle to Table 26⅝ in., Diameter of Crown Gear 5⅞ in., Diameter of Bevel Pinion 3⅜ in., Diameter of Large Pulley on Cone 9¼ in., Diameter of Small Pulley on Cone 4 in., Cone Carries 2 in. Belt, 8x2¾ in. Tight and Loose Pulleys, Floor Space 46x16 in., Weight Each Crated 700 Lbs.....**$95 00**

SILVER'S 20 INCH SWING DRILL

Power Feed with Back Gears and Automatic Stop.



Particularly designed and adapted to meet the up-to-date and exacting requirements of modern machine shop practice.

The Back Gear Mechanism provides four slow speeds for heavier work, making a total of eight different speeds.

The Automatic Stop requires only to be started and will stop automatically wherever set, at any required depth. This action is entirely independent of the wheel or the lever feed; either of which can be used in addition.

In Quality, Design and Finish, these drills stand out strongly. New patterns throughout—every detail carefully worked out—materials the best procurable. Bevel gears are accurately cut from solid blanks, the cog rack is forged from steel and the teeth are milled to gauge. The top shaft has split bearings to permit of taking up wear.

Table has easy up-and-down adjustment and swings to either side

When the tool is wanted only for drilling, the countershaft for it is provided with tight and loose pulleys, 8 in. diameter by 2¾ in. face, as shown in the accompanying engraving, and should make 200 revolutions per minute. For tapping and drilling, a friction countershaft is required.

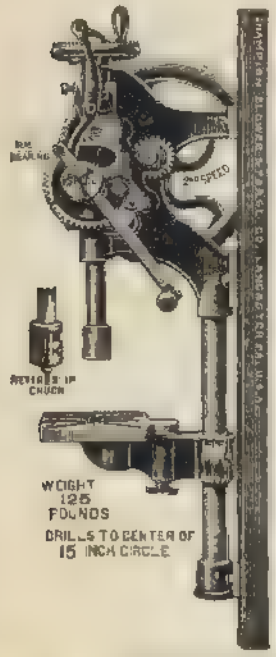
Drive Shaft has tight and loose pulleys; turns 1⅜ times to 1 turn of spindle.

Square Base, Complete as Shown, Drive Shaft with Tight and Loose Pulleys.

Each

No. 862—68¼ in. High, 5½ in. Diameter Column, 16 in. Diameter Table, 1⅜ in. Diameter Spindle, Vertical Travel of Spindle 10 in., Vertical Travel of Table 16 in., Spindle Bored for No. 3 Morse Taper, Distance from Column to Center of Table 10¼ in., Distance from Spindle to Base 41⅛ in., Distance from Spindle to Table 26⅝ in., Diameter of Crown Gear 5⅞ in., Diameter of Bevel Pinion 3⅜ in., Diameter of Large Pulley on Cone 9¼ in., Diameter of Small Pulley on Cone 4 in., Cone Carries 2 in. Belt, 8x2¾ in. Tight and Loose Pulleys, Floor Space 46x16 in., Weight Each Crated 750 Lbs.....**$130.00**

POST DRILLS



CHAMPION SELF-FEED

Ball Bearing.

A high grade up-to-date Back-Geared Drill with Double Journal Bearings to all gears.

Has two speeds

Spindle has end thrust ball bearings

All bearings are ground out of the solid metal.

No babbitt used on this drill.

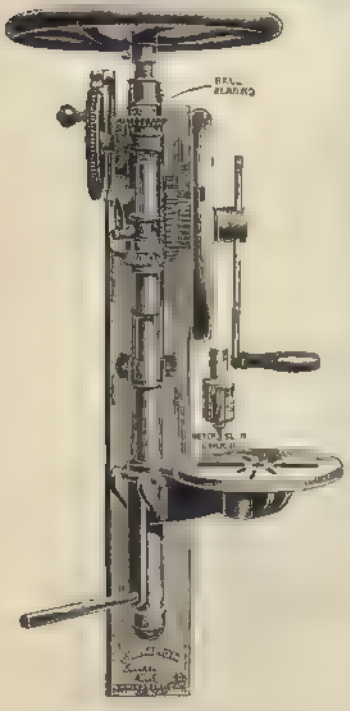
The end thrust ball bearings save 30 to 50 per cent in power and are made from the highest grade of lathe-turned tool steel.

Has automatic self-feed.

Champion Drills are all machine jigged, therefore all parts are absolutely standard and interchangeable.

	Each
No. 93 46½ in. High, Drills Holes Up to 1¼ in., Drills to Center of 15 in. Circle, 1⅛ in. Diameter Spindle with Up and Down Run of 3 in., Lathe Turned and Slotted Table Spindle Bored Like "Neverslip" Chuck for ½ in. Round Shank Drills, Weight Each 125 Lbs.	**$10.00**
Extra 6x2 in. Tight and Loose Pulleys—For Power, Should Run 250 Revolutions Per Minute	**3.00**

CHAMPION NEW BALL BEARING BLACK DIAMOND BLACKSMITH SELF-FEED



The gearing is designed for easy and quick running, being compounded for increasing power, making it a very powerful and desirable drill.

The side fly wheel in connection with the top fly wheel is very practical, when taking into consideration that both the fly wheels make two revolutions to each turn of the crank.

Has two speeds.

Crank turns same direction on first and second speed.

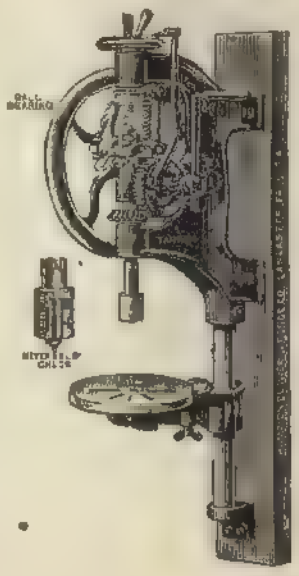
Spindle has end thrust ball bearings.

Has automatic self-feed.

No babbitt used on this drill

	Each
No. BB 56 in. High, Drills Holes Up to 1½ in., Drills to Center of 18 in. Circle, 1¼ in. Diameter Spindle with Up and Down Run of 4 in., Lathe Turned and Slotted Table, Spindle Bored Like "Neverslip" Chuck for ½ in. Round Shank Drills, Complete with Wheel Holder, Weight Each 255 Lbs.	**$24.00**
Extra 6x2 in. Tight and Loose Pulleys—For Power, Speed 105 R. P. M.	**4.00**

CHAMPION COMBINATION AUTOMATIC SELF-FEED AND DOUBLE COMPOUND LEVER FEED



Ball Bearings.

The automatic self-feed and double compound link and rack lever-feed are both independent of each other and are changed from one to the other in the fraction of a second

With either feed the drill spindle has instantaneous return of the drill bit out of the hole drilled and again instantaneous return on the material for the next hole hole.

This drill spindle and bit are positively always raised up or down while using either feed, by the use of a quick acting lever

It has two speeds with three gears, in order to give the second speed same turning direction of the crank as the first speed

The lever makes it especially convenient for wood boring.

	Each
No. 200 51 in. High, Drills Holes Up to 1¼ in., Drills to Center of 18 in. Circle, 1¼ in. Diameter Spindle, Up and Down Run of Spindle 4 in., Up and Down Run of Table 11 in., Spindle Bored Like "Neverslip" Chuck for ½ or ¾ in. Round Shank Drills, Weight Each 180 Lbs.	**$25.00**
Extra 6x2 in. Tight and Loose Pulleys—For Power, Should Run 250 R. P. M.	**3.00**

REVOLVERS

IVER JOHNSON MODEL 1900, HAMMER

Solid Frame, Double Action, Rubber Stock.
22 Caliber, Rim Fire, 7 Shots.

	Each
No. 22 —2½ in. Barrel Nickel Plated, Wt. 10½ Oz.	$
No. 22B—2½ in. Barrel, Blued, Wt. 10½ Oz	

Adapted to .22 Short and Long R. F. Cartridges.

.32 Caliber, Rim Fire, 5 Shots.

No. 32 —2½ in Barrel, Nickel Plated, Wt. 12 Oz.	$
No. 32B—2½ in. Barrel, Blued, Wt. 12 Oz	

Adapted to .32 Short R. F. Cartridges.

.32 Caliber, Center Fire, 5 Shots.

No. 32C —2½ in Barrel, Nickel Plated, Wt. 12 Oz	$
No. 32CB 2½ in. Barrel, Blued, Wt 12 Oz	

Adapted to .32 S. & W. C. F. Cartridges.

38 Caliber, Center Fire, 5 Shots.

No. 38 —2½ in. Barrel, Nickel Plated Wt 17 Oz	$
No. 38B—2½ in. Barrel, Blued, Wt. 17 Oz	

Adapted to .38 S. & W. C. F. Cartridges

U. S. REVOLVERS

HAMMER, DOUBLE ACTION

Solid Frame, Rubber Stock.
.22 Caliber, Rim Fire, 7 Shots, Weight 12 Oz.

	Each
No. 22US —2½ in. Barrel, Nickel Plated	$
No. 22USB—2½ in. Barrel, Blued	
No. 122US —4½ in. Barrel, Nickel Plated.	
No. 122USB—4½ in. Barrel, Blued	

Adapted to .22 Short and Long R. F. Cartridges.

32 Caliber, Rim Fire, 5 Shots, Weight 13 Oz.

	Each
No. 32US —2½ in. Barrel, Nickel Plated	$
No. 32USB—2½ in. Barrel, Blued	
No. 132US —4½ in. Barrel, Nickel Plated.	
No. 132USB—4½ in. Barrel, Blued	

Adapted to .32 Short R. F. Cartridges

32 Caliber, Center Fire, 5 Shots, Weight 13 Oz.

	Each
No. 32CUS —2½ in. Barrel, Nickel Plated	$
No. 32CUSB—2½ in. Barrel, Blued	
No. 132CUS —4½ in. Barrel, Nickel Plated	
No. 132CUSB—4½ in. Barrel, Blued	

Adapted to .32 S. & W. C. F. Cartridges.

38 Caliber, Center Fire, 5 Shots, Weight 17 Oz.

	Each
No. 38US —2½ in. Barrel, Nickel Plated	$
No. 38USB—2½ in. Barrel Blued	
No. 38CUS —4½ in. Barrel, Nickel Plated.	
No. 38CUSB—4½ in. Barrel, Blued	

Adapted to .38 S. & W. C. F. Cartridges.

U. S. REVOLVERS

U. S. HAMMER, AUTOMATIC

Automatic Ejector, Rubber Stock.
22 Caliber, Rim Fire, 7 Shots, Weight 13 Oz.

	Each
No. 223US —3 in. Barrel, Nickel Plated	$
No. 223USB—3 in. Barrel, Blued	
No. 225US —5 in. Barrel, Nickel Plated.	
No. 225USB—5 in Barrel, Blued	

Adapted to .22 Short and Long R. F. Cartridges

32 Caliber, Center Fire, 5 Shots, Weight 12½ Oz.

	Each
No. 323US —3 in. Barrel, Nickel Plated	$
No. 323USB—3 in Barrel, Blued	
No. 325US —5 in. Barrel. Nickel Plated.	
No. 325USB—5 in. Barrel, Blued	

Adapted to .32 S. & W. C. F. Cartridges.

.38 Caliber, Center Fire, 5 Shots, Weight 17 Oz.

	Each
No. 383US —3¼ in Barrel, Nickel Plated.	$
No. 383USB—3¼ in. Barrel, Blued	
No. 385US —5 in. Barrel, Nickel Plated.	
No. 385USB 5 in. Barrel, Blued	

Adapted to 38 S & W. C F. Cartridges

U. S. HAMMERLESS AUTOMATIC

Automatic Ejector, Rubber Stock.
.32 Caliber, Center Fire, 5 Shots, Weight 13½ Oz.

	Each
No. 320US —3 in. Barrel, Nickel Plated	$
No. 320USB—3 in. Barrel, Blued	
No. 321US —5 in. Barrel, Nickel Plated.	
No. 321USB 5 in. Barrel, Blued	

Adapted to .32 S. & W. C. F. Cartridges.

.38 Caliber, Center Fire, 5 Shots, Weight 18 Oz.

	Each
No. 383½US —3¼ in. Barrel, Nickel Plated	$
No. 383½USB— 3¼ in. Barrel, Blued	
No. 385½US 5 in. Barrel, Nickel Plated.	
No. 385½USB—5 in. Barrel. Blued	

Adapted to .38 S. & W. C. F. Cartridges.

EXTRAS

	Per Pair
Pearl Handles—On Hammer or Hammerless, .22 or .32 Calibers	$
Pearl Handles On Hammer or Hammerless .38 Caliber	

U. S. Revolvers are of American manufacture, made by skilled mechanics and of first class material throughout. They are nicely finished and smooth in action

RIFLE SIGHTS

WINCHESTER

KNIFE BLADE FRONT

Each

Knife Blade Front—Steel or Ivory $0.60

ROCKY MOUNTAIN FRONT

Each

Rock Mountain Front..... $0 60
Not adapted to M. '94, .30 Cal. Rifles.

SPORTING FRONT

Each

Sporting Front $0.40

22 CALIBER FRONT

Each

22 Caliber Front. $0 40

LYMAN IVORY BEAD FRONT

Each

No. 26—Ivory Bead, for Model 1895, .30 Caliber Winchester Rifle $0.55

LYMAN IVORY HUNTING FRONT

Each

No. 4—Ivory Bead, Protected by Surrounding Metal.... $0.55

LYMAN IVORY BEAD FRONT

Each

No. 3—⅛ in. Ivory Bead..... $1.10

MODEL 1890 FRONT

Each

Winchester Model 1890 Front.. $0.30

EXPRESS FRONT

Each

Winchester Express Front . $0 60

BEACH COMBINATION FRONT

As Open — As Globe

Each

Beach Combination .. . $1.25

GLOBE

Each

Globe—With Interchangeable Disc $1.50

WINCHESTER EXPRESS

Each

Winchester Express Rear.... $1 80

WIND GAUGE

Each

With Spirit Level and 3 Discs. $4 75
Without Spirit Level..... 3 60

EXTRAS

Spirit Level	$1 25
Spirit Level Bulb	18
Extra Discs	40
Traverse Screw	30
Base	90
Screw Caps to Level. ..	18

WINCHESTER SPECIAL

Front View

Each

Rear Sight—Model 1894, for .32 Winchester Special, Black and Smokeless Powder.. . . . $3 00

SPORTING REAR

Each

Sporting Rear Sight—Complete.. . . .. . .$0 95
Elevator—For Sporting Rear..... 30

MODEL 1890 REAR

Each

Winchester Model 1890 Rear Sight .. . $0 75

22 CALIBER SPORTING REAR

Each

Winchester Sporting Rear—.22 Caliber.....$0 75
Adapted to M. '90, '02, '04, '06 and Thumb Trigger.
Always specify Model when ordering

Note—When ordering Sights, always specify model and caliber of rifle and for sights seated on tang state whether stock is straight or pistol grip.

CYCLOMETERS, PEDOMETERS, SPEEDOMETERS, ETC.

CYCLOMETERS.

No. 16.

No. 17.

No. 6—Veeder, 28 in., registers 10,000 miles, nickel plated, length 1½ in., per dozen ..... JHAJ $13 50

No. 16—Veeder, trip 28 in., 10,000 miles, with independent trip cyclometer, which registers 100 miles and can be quickly set back to zero, nickel plated with 1⅝ in., per dozen ..... ABJJ $30.00

No. 17—Veeder, for motorcycles, 26 or 28 in., registers up to 10,000 miles, nickel plated, length 2 in., w't per doz. 4¼ lbs....per dozen BGJJ $45.00

The cyclometer mechanism is made stronger than the regular bicycle cyclometer and is designed to withstand the harder usage due to the high speed of motorcycles.

A much stronger type of star wheel is supplied and special friction is used which prevents the star wheel from spinning when going at a high rate of speed.

ONE IN A BOX.

BOY SCOUT HIKEMETERS.

Front. Back.

No. 77—Hikemeter and compass combined, gun metal finish, registers 100 miles, also each trip and can be reset, w't each 3 oz.,..each ABJ $2.00

This instrument measures accurately the distance you walk, and the compass indicates the direction. Will slip into vest pocket or garter. Can be accommodated to any length of step. Accurate and reliable, nothing to get out of order.

PEDOMETERS.

No. 7—American, nickel plated, diameter 1¾ in., registers 100 miles, each ..... ABJJ $1.70

Each step vibrates automatic mechanism, thus setting the cog wheels in motion and recording the distance walked by the wearer.

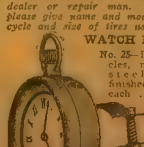
ONE IN A BOX.

CORBIN-BROWN MOTORCYCLE SPEEDOMETERS.

Model A M—Made of specially hardened steel and brass, cable is of best hardened steel, either front or rear attachment, w't each 9 lbs., each ..... ABJJ $15.00

This speedometer has no "die-cast" parts. The indicator registers with absolute accuracy, and is not affected by the temperature or electrical action. It is so adjusted that it will not wobble on a rough road and always remains steady. The speed indicator registers up to 80 miles an hour, has a season mileage recorder which totals one hundred thousand miles, and a trip odometer which registers up to 100 miles and resets by pressing reset pin at side. The Corbin-Brown speedometer is sold under a one year guarantee that is absolutely free from technicalities. Can be attached by any dealer or repair man. In ordering, please give name and model of motorcycle and size of tires used.

WATCH HOLDERS.



No. 25—For motorcyclet, nickel plated steel, bead fluffy finished, w't ½ lb., each ..... JDB $0.70

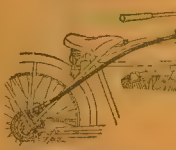
Substantially made for motorcycle or bicycle handle bars.

LOOSE.

STEWART MAGNETIC MOTORCYCLE SPEEDOMETERS.

Model 101—Front wheel drive is equipped with the new "solid tube" casing around the driving shaft. This "solid tube" obviates the trouble and breakage formerly experienced with the flexible shaft front drive, w't each 9½ lbs., each ..... JIFJ $12.00

ONE IN A BOX.



Model 101A—Rear wheel drive is absolutely unaffected by vibration or road shocks. The driving shaft is enclosed in a flexible shaft casing. All parts made of the same high quality of material and workmanship that enters into the construction of all instruments for automobiles, w't each 10 lbs., each ..... JIFJ $12.00

All Stewart Speedometers are made upon the magnetic principle. There is only one moving part. This is a circular magnet, mounted on the top of the shaft. Fitting over and around this circular magnet is an aluminum cup. On the edges of this cup are the numbers, from 0 to 75, which indicate the number of miles per hour your motorcycle is traveling. There is absolutely no connection between the circular magnet and the dial cup. The turning of the rear wheel turns the flexible shaft and this causes the circular magnet to revolve. As this revolves it acts with magnetic force on the aluminum dial cup. The faster the magnet turns, the more the dial cup is pulled around, and whatever number on the dial cup is opposite the pointer, that indicates the number of miles per hour. It is the most simple mechanism in the world. There is practically no wear whatsoever to the Stewart Magnetic Type Speedometer.

GYMNASIUM CLOTHING

Our athletic shirts are furnished in three grades, heavy weight worsted, medium weight worsted, and medium weight cotton.

Worsted goods are made of all wool yarn, knit to correct size and shape, and are warranted not to rip. While these shirts are soft and comfortable, the peculiar twist in the yarn gives a toughness that enables them to stand the roughest kind of service.

The cotton shirts are made of selected sea island cotton. They are strong and durable and are just the thing for gymnasium work.

In ordering please be careful to use our numbers, stating size wanted, and to facilitate prompt shipment in the busy season, give first and second choice of colors. Plain navy, black, gray, maroon and white are always carried in stock, and during the season black and red, black and orange, navy and white, gray and red, maroon and white and a number of other popular combinations.

ATHLETIC SHIRTS

Sleeveless

Quarter Sleeve

Full Sleeve

Band

Sash

Sleeveless

No.		
1C.	Best heavy weight worsted	$1.75
1K.	Best medium weight worsted	1.25
1G.	Good medium weight cotton	.50

Quarter Sleeve

No.		
2C.	Best heavy weight worsted	$1.75
2K.	Best medium weight worsted	1.25
2G.	Good medium weight cotton	.50

Band Sleeveless

Fine quality worsted with 6-in. stripe around chest in following combinations. Navy and white, black and orange, maroon and white, gray and red, black and red. Other colors to order.

No.		
1CB.	Heavy weight worsted	$2.00
1KB.	Medium weight worsted	1.50
1GB.	Good quality cotton	.75

Full Sleeve

No.		
3C.	Best heavy weight worsted	$2.50
3K.	Best medium weight worsted	2.00
3G.	Good medium weight cotton	1.00

Sash Sleeveless

No.		
1CS.	Best worsted, full fashioned body with woven sash front. To order only in any colors	$5.00
1KS.	Medium weight worsted with felt sash on front. To order in any colors	1.50
1GS.	Good quality cotton, solid color body with sash stitched on front of different color	.75

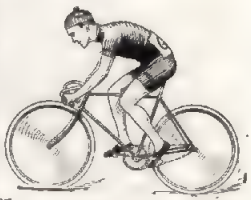
20% discount to clubs placing full team orders

Delivery Prepaid in U. S. if Cash is Sent with Order at above Prices

BICYCLE AND WRESTLING CLOTHING

BICYCLE RACING JERSEYS AND TIGHTS

Our jerseys and tights are made of a high grade worsted and the special twisted yarn used together with the close style of knitting makes them particularly desirable. They are snug, elastic, strong and especially adapted for the use of bicyclists and athletes.



JERSEYS

Low buttoned collar and sleeves are ½ length. The sleeves and collar are of a different color than the body or one solid color if preferred.

No. **BB.** Sweater yarn, French stitch, close woven $3.50
No. **BC.** Best grade worsted, heavy, close woven 2.50
No. **BK.** Best grade worsted, medium weight 2.25
No. **BN.** Best grade Silkoline, close woven. Each 2.50

TIGHTS AND TOQUES

They are made with extra high waists, knee length.

No. **TB.** Made of sweater yarn, French stitch, close woven $2.25
No. **TC.** Corresponding with No. BC. Jersey 2.00
No. **TK.** Corresponding with BK Jersey 1.50
No. **NC.** Toque or Cap to correspond with No. BC. or BK, Jersey ..... .50

BICYCLE SHOES

"Racing" No. 717

No. **717** "Racing" light weight, low cut, kangaroo uppers, special light, flexible oak sole and low oak heel, long counters $3.25

No. **717H** Like No. 717, but high cut 3.50

"Road" No. 212A

No. 212A. "Road" uppers are made of black elkskin, medium height and lace down over toe insuring a snug fit. The sole is oak tan leather and the heel is medium low ..... Per Pair $3.50

For Bicycle Stockings see Page 97

WRESTLING EQUIPMENT

Tights

No. **M.** Shirts, extra heavy worsted sleeveless $2.50
No. **M.** Tights, extra heavy worsted full length 3.50
Leather pads sewed on at knee, extra 1.00
No. **501.** Wrestling shoes. Flexible sole, ¾" height. Uppers of black buckskin and soles of a high quality elkskin. Very soft and easy, but will give good wear ..... Pair 1.50
No. **501H.** Made like No. 501, but uppers are extra high, measuring 7 inches and are made of white buckskin ..... Pair 1.95
No. **BT.** Wrestling supporter and belt good black elastic, waist band 6 inches wide. Balbriggan front 1.00

No. 501

No. **W.** Book of "How to Wrestle" ..... $.10

For other Jerseys and Tights see Pages 437-438. Supporters on Page 417

Delivery Prepaid in U. S. if Cash is Sent with Order at Above Prices

FAMOUS "CLIMAX" TALKING MACHINES.

AND RECORD ASSORTMENTS

Machines and records made by one of the great makers. You make liberal profits on our line and sales are easy and rapid. Do not buy the non-licensed machines offered by others—handle the "Climax" line and be safe from litigation.

Record Assortments. Save you the trouble of selecting. Every record a winner, conforming to our high standard in tone and popularity of subject. Sung or played by first class artists. Special packing of 6 double-faced records in an assortment, no less sold.

NOTE: *Sold only in assortments as listed. We do not split assortments.*

TALKING MACHINE RECORDS.

6 records in pkg. (12 selections) at 40c each. Per assortment of 12 selections. **$2.40**

NOTE.—Sold only in assortments as listed. We do not split assortments.

Retail price—Each, 45c

F317—Tangoand Hesitation Asst.
A Good Fellow Maxixe Band
Through the Panama Cano
Rose River—Hesitation Waltz
I Love a Tears—Hesitation Waltz
Che Que Morte Maxixe Band
I Hesitate—Tango Band

Amo te—Maxixe Band
T My Maxixe—Tango Band
Mon Have to Get Under

The Aeroplane
El Cero ambo Maxixe Band
El Chicolo—Maxixe Band

ASST. (6 records) $2.40

F310—Band Asst.
Ocean to Ocean—March
Tres Chic
On Furlough March
National Emblem March
A Bunch of Roses—March
National Guard—March

Morning, Noonand Night
Dance of the Hours
Marie.a
Boy Scout March
Independence Guard March
On to Mississippi

ASST. (6 record) $2.40

F321—Orchestra Asst.
Spoon Time
Southern Zephyrs
I'm Alabama Bound
Selections from "Bright Eyes
Dollar Princess
Chocolate Soldier
Medley of Ted Snyder Hits

Old Berlin
Under Prussian Banner
Dixie and More
Home Sweet Home

ASST. (6 records) $2.40

F323—Quartettes & Trios.
This Is the Life
Goodby Broadway
When They Christened Brother Johnson a Child
Follow up the Big Brass Band
Harmony Bay
Hands Off
Baboon of Sandybrook Farm
Mammy Jinny's Jubilee
When the Angels is Ringing
Follow the Crowd
Hymns of the Old Church Choir
Sabbath Day

ASST (6 records).. $2.40

F324—Violin & Cello Asst.
Werewind
Dardine Waltzes
Ave Maria
The Rosary
Recessne from "Jocelyn"
Il Trovatore (El Miserere)
To the Evening Star
Traumerei

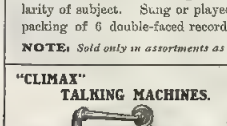
Love's Old Sweet Song
Alpine Violets
Grandma
The Heed Girl s Dream

ASST. (6 records) $2.40

F342—Miscellaneous Selections.
Let's All Go 'Round to Mary An s— Baritone & Tenor Duet
I'm Afraid I'm Beginning to Love You Baritone
Nightingale Warble—Piccolo
My Sylark Love—Cornetto & Tenor Duet
In the Shadows—Tenor Solo
I'm Going Back to Memphis Tennessee—Baritone & Tenor Duet
Santa Claus' Workshop (Descriptive)—Orchestra
Medley of Christmas Carols—Brass Quartette
In the Hour of Softened Splendor—Band
Lorelei—Vocal Trio
Daddy Did a Wonderful Thing—Tenor
He Wants Someone to Call Him Papa—Soprano & Tenor Duet

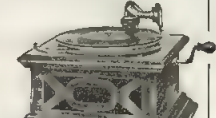
ASST (6 records)... $2.40

"CLIMAX" TALKING MACHINES.



F974—Handsome, best quality grained oak cabinet, 18 in. high, 10 inch turntable, enameled horn with nickel plated throat, improved full nickel plated tone arm, nickel and rubber tone modifier, automatic stop, 3 speed regulator, operates 10 inch records, equipped with sapphire and diamond reproducing points, metal lined box and drawer for extra needles, heavy motor spring, 1 doz. needles, 100 load reproducing needle. Retail price $10.00
OUR PRICE **$7.00**

F975—13¾ x 8¾ grained golden oak cabinet 8 in. nickel plated tapering arm, special reconstructed adjustable sound box to be conveyed from sound box through arm to the sound chamber, nickel plated patent speed regulator and starter, 10¼ in. felt covered turn table, extra heavy spring motor, can be wound while playing. Guaranteed accuracy of all records played. Complete with 300 load needles. Retail price, $15.00
OUR PRICE, **$9**



F977—14¾ x 14¾ x 9¾ golden oak finish cabinet, 8 in. nickel plated tapering arm, 10 in. turntable, 3 speed regulator, automatic stop, nickel plated horn, 100 load reproducing needle for fast slow records, 200 load tone needles. Retail price $25
OUR PRICE **$15**

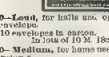
"CLIMAX" STAND TALKING MACHINES.

Retail price $30.00 Tried and tested. All the advantages of much higher priced machines.

F979—Full mahogany case, 36.39 in., 16½ x 17¾ in. hinged top, internal top 3 compartments for records, one covered with plush, 11¾ in. felt covered turn table, nickeled rim, nickeled groove spiral speed regulator for hymns, nickel tone arm of seamless taper tubing, extra fine reproducer, double spring drive motor, can be wound while playing, plays 2 records with one winding, can be wound while playing, double automatic stop for playing one, repeating by visible lever, large shelf at bottom for 60 disk records (120 selections), record albums can be inserted.
Retail price $50
OUR PRICE **$30**

"CLIMAX" TALKING MACHINE NEEDLES.

Tried and tested, non-rasping. Specially constructed points which reach finest grooves in the record thereby producing more accurate tone than many needles offered.



F50—Loud, for halls and open air use. 100 in envelope.
10 envelopes in carton.
In lots of 10 M. 18c Per M, **20c**

F60—Medium, for home use and grand opera tones.
100 in envelope 10 envelopes in carton.
In lots of 10 M. 18c Per M, **20c**

TALKING MACHINE RECORDS.

6 records in pkg. (12 selections) at 40c each. Per assortment of 12 selections. **$2.40**

NOTE—Sold only in assortments as listed. We do not split assortments

Retail price—Each, 45c.

F326—Religious Selections & Chimes.
Beautiful Isle of Somewhere
O Come All Ye Faithful
Abide With Me
Lead Kindly Light
Adeste Fidelis
Forever with the Lord
Beyond the Smiling and the Weeping
Nearer My God to Thee
Largo—Handel
Boston Commandery March
Hark the Herald Angels Sing
Praise a Bird

ASST (6 records) $2.40

F244—Oldtime Songs.
My Old Kentucky Home—Male Quartette
I as Going Back to Dixie—Male Quartette
Home Sweet Home—Baritone
Home Sweet Home Sounds Good to Me—Baritone
Silver Threads Among the Gold—Quartet Tenor
Oh, the Shady Nights—Violin, Flute & Harp
Darling Nelly Gray—Baritone
Sweet Genevieve—Contralto
Old Folks at Home—Clarionet
Star Spangled Banner—Baritone
Wearing of the Green—Baritone
For Killarney and You—Tenor

ASST (6 records) $2.40

F331—Tenor & Baritone Selections.
Why You are All Dressed Up
Just a Little Bit of Irish
They Don't Hesitate Any More
He a Devil in His Own Home Town
I Love the Ladies
Sergeant Mike Kisses
The Sweetest Rose of My Heart Away
Can You Hear Me Calling
If I Were the Ocean and You Were the Shore
You Planted a Rose in the Garden of Love
Me and Mandy Lee
Over the Alps to Mountains

ASST (6 records) $2.40

F335—Vaudeville and Novelty Selections.
Night Scene in Maxixe
Do Those Eyes Tell a Story
Them Were the Happy Days
Lizuse Specials
Professor and the Musical Tramp
The Orleans Coons
Meeting of the Ken Rocot Club
New Parisee of the Darktown Church
You've Got to Love Me a Lot
Eclipse of the Sun of Pumpkin Center
Dese Bones Shall Rise Again
Old Log Cabin

ASST (6 records) $2.40

F337—Accordion & Xylophone Selections.
Catch Me If You Can
Warblers' Farewell
Pride of the Rosen
The Rose
Mr. Tremolo Waltz Accordion
Last Rose of Accordion
Rag Picker's Rag Xylophone
Musical Soliloquy
Waltzing by the Robert E. Lee Accordion
Kentucky Lullaby
Swanee River Medley Xylophone
The Medley Accordion

ASST (6 records) $2.40

F338—Classic Selections.
Selections from "Martha"—Band
Soldier's Chorus from Faust"—Band
Robin Hood Armorer's Song Chase
Asleep in the Deep—Bass
Bedouin Love Song—Baritone
Let Me Like a Soldier Fall—Baritone
Theme and Variations from Norma"—Flute
I'll Follow Thee—Flute
Friar of Orders Gray, The—Baritone
Pagliacchi from "The Dollar Princess"—Baritone
Dreamy Moments—Flute, Vio la and Harp
Moreau D Elevation Saxophone

ASST (6 records) $2.40

F328—Instrumental Selections.
Cantonette—Cello
Morse Medley Rag
Girlish Charms Bell Solo
Stars and Stripes Forever — Accordion
Castle Guard—Piccolo
Jumping for Home—Violin, Flute, Harp
Dixieland Rag—Xylophone
Happy Heinie—Xylophone
Ida and Dot Polka—Cornet Duet
Tripolette Polka—Cornet Duet
The Turtle Dove—Piccolo
Mourning Bird Piccolo

ASST (6 records) $2.40

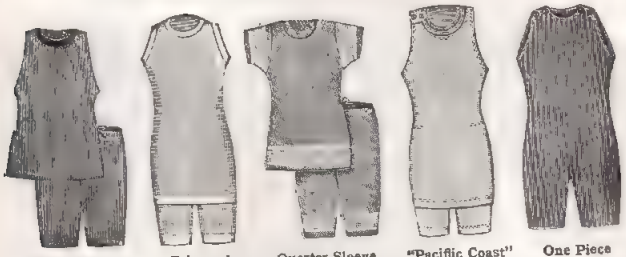
F240—Dance Selections.
American Beauty Waltz
Artists' Life Waltz
Clarinka Polka
Rokoko Waltz
Gemsbok and Waltz
My Treasure Waltz
Queen of The Ivory
Love's Treasure Waltz
Third Heater Waltz
My College Chum—Waltz
Wine, Women and Song Waltz

ASST (6 records) $2.40

F333—Soprano and Alto Selections. Mixed Voices
You Can Tango, You Can Trot
He Pushed It Along
In the Land of Yes
Shadowland Moon
Good-night Dear, Till To-morrow
That Was Before I Met You
The Dubie a Rag
Just a Little Faded Flower
The Glow Worm
They had to Swim Back to the Shore
Old Folks

ASST (6 records). $2.40

BATHING AND SWIMMING SUITS



Sleeveless | Trimmed | Quarter Sleeve | "Pacific Coast" | One Piece

Two-Piece Cotton Bathing Suits

Our G grade two-piece cotton bathing suits are made of a good grade heavy cotton, shaped to fit the form. Made to stand hard use, and the colors are fast. Made in plain navy blue, with sleeveless or quarter sleeve shirt, also in navy blue with white or red stripes on sleeves, shirt and tights. 28 to 44 chest measure.

No. 9G. Plain. Per suit.....$ .75
No. 9GT. Trimmed. Per suit..... 1.00

Two-Piece Worsted Bathing Suits

The K grade two-piece plain bathing suits are made of fine quality worsted with plain tights and sleeveless or quarter sleeve shirt, in plain navy blue, gray or black. Sizes 30 to 44 chest measure. Other sizes and colors to order.

No. 9K. Plain colors. Per suit.....$2.50

The K grade two-piece trimmed bathing suits are made of soft worsted, with quarter sleeve or sleeveless shirt, in black or navy blue, trimmed at sleeves and bottom of shirt and tights, with white or red or in gray, trimmed with white or red also furnished with wide band on shirt with plain trunks.

No. 9KT. Trimmed. Sizes 30 to 44. Per suit.....$3.00

Our C grade two-piece suits are the finest grade of worsted. They are heavy weight, warm and comfortable and dry quickly. They wear well and will last several seasons. Plain, black, navy and gray carried in stock.

No. 9C. A variety of plain colors.....$3 00
No 9CT. Same grade and colors, but trimmed..... 3 50

An extra heavy, special quality wool worsted, tightly woven, in navy blue, black and gray.

No. 9M. Plain colors only.....$4.00

"Pacific Coast" Suits

These suits are made on what is known as the Pacific Coast style, all one piece with shirt which can not be tucked inside of tights, sleeveless, fine quality worsted, plain colors only in stock.

No. KPC. Medium weight worsted.....$2.50
No. CPC. Heavy weight worsted..... 3.00

One-Piece Swimming Suits

Made of fine worsted and popular with expert swimmers and divers as they offer less resistance to the water. Plain black, navy or gray.

No. OK. Medium weight ....$2.50 No. OC. Heavy weight..... $3.00
No. OG. Medium weight cotton..... .75

Delivery Prepaid in U. S. if Cash is Sent with Order at Above Prices

INDIAN CLUBS, DUMB-BELLS, WANDS, ETC.

INDIAN CLUBS

Made of first quality seasoned maple, correct shape, well balanced and fine polished finish.

	Per Pair
½ pound.....Each	$ .20
¾ pound.....Each	.25
1 pound.....Each	.30
1½ pounds....Each	.40
2 pounds....Each	.50
3 pounds....Each	.60
4 pounds....Each	.70
5 pounds....Each	.80

DUMB-BELLS

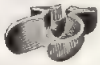
Made of best quality selected maple, finely shaped and polished finish.

	Per Pair
½ pound....Each	$ .20
¾ pound....Each	.20
¾ pound....Each	.25
1 pound....Each	.30
1½ pounds...Each	.40
2 pounds...Each	.50
3 pounds...Each	.60

INDIAN CLUB AND DUMB-BELL HANGERS

Made of iron enameled black with screw for fastening to wall. Strong, neat appearing and substantial.

No. 1. For Indian clubs, pair 15c No. 2. For dumb-bells, pair 15c



ATHLETIC SHOT

Made of cast iron, accurate in weight and diameters. Enameled black.

No. 8. 8 pounds..Each $ .75 No. 12. 12 pounds..Each $1.00
No. 16. 16 pounds.....Each 1 25

INDOOR SHOT

Made in a careful manner and has just the right amount of "give" when it strikes. The cover is of a fine grade of leather and will stand hard usage.

No. 8L. 8 pounds.....Each $5.00 No. 12L. 12 pounds.....$6.00
No. 16L. 16 pounds..... 7 00

IRON DUMB-BELLS

Made in the latest models, nicely balanced and finished in black enamel.

No. A. 1 to 40 lbs. each. Per pound.....$ .05
No. B. Heavier bells to order. Per pound..... .06

BAR BELLS

Bar bells with wrought iron handles in 35, 40, 50, 60, 70, 75, 80 and 100 pounds each, made to order.

No. BB. All sizes. Per pound..$ .08

WANDS

Made from straight grain maple, hand polished, not varnished. Per Doz.

No. SW. For schools 3½ feet...$1 80
No. CW. For calisthenic, 4½ ft.. 2.40

ASH BAR BELLS

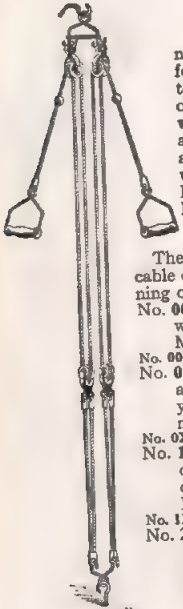
These bar bells are made of finely turned ash, highly polished.

No. BA. Bar bells, 5 feet long Each $ .50

Heavy articles, such as above are not delivered free unless they form a minor part of some general shipment, the total value of which exceeds the amounts specified, and in accordance with, the Free Delivery plan as outlined on page 468.

PULLEY EXERCISERS

THE "NASSAU"



"Nassau"

The "Nassau" Exerciser consists of two non-elastic cords running over pulleys with four elastic attachments at the bottom, the tension of which may be changed by using one or more strands. Independent movements with either hand or both hands. The pulleys are made of hardwood and all the metal parts are nickel plated. Packed one in a box, with instruction charts and hooks.

No. 22. Nassau Exercises.....$1.50
No. 22X. Extra cables, set 4..... .75

"THE WHITELY"

"Whitely"

The Whitely Exerciser is composed of long elastic cable of many strands of pure rubber thread running over three fine pulleys.

No. 00. "Ideal". Good quality, with three wood pulleys and regular attachment. Medium or light cables, complete in box..$1.25
No. 00X. Extra cables complete for "Ideal".....Each 1.00
No. 0. "Vim." A good, serviceable exerciser at a low price. Has three pulleys and four yards of elastic cord. Made in heavy, medium or light tension. Complete in box 2.00
No. 0X. Extra cables complete for "Vim".....Each 1.25
No. 1. "Standard." Complete in box with door hinge attachment and hooks and copy of "Anderson's Physical Education." Heavy, medium, or light tension..... 3.00
No. 1X. Extra cables complete for "Standard"..Each 1.50
No. 2. "Athlete" Very heavy and extra strong throughout. Rosewood pulley wheels fitted with self-oiling bearings. Complete in box with "Anderson's Physical Education." Choice of medium, heavy or extra heavy tension..... 4.00
No. 2X. Extra cables complete for "Athlete".....Each $2.00
No. 3. "Special" The parts are finely adjusted and the elastic cords covered with silk. Fitted with cork handles. Complete in box with "Anderson's Physical Education." Choice of light, medium or heavy tension.....$5.00
No. 3X. Extra cables complete for "Special".....Each 2.50
No. A. "Anderson's Physical Education".....Per copy .15

WHITELY'S TRAVELERS' EXERCISERS

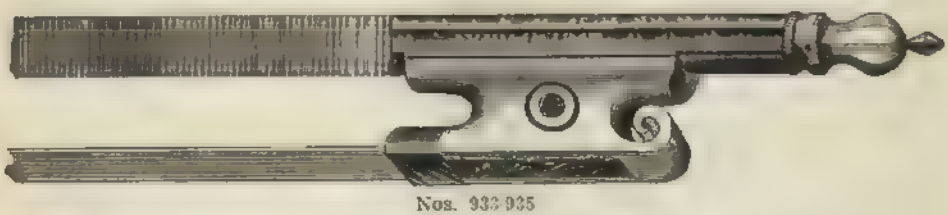
The Whitely Travelers are elastic exercisers without pulleys. They take up very little space and can be easily attached to any convenient place in room, window casing or door frame. They are noiseless and quickly removed when not in use. With hook for attaching and instruction chart showing exercises.

No. 8L. Light tension.....Each $ .60
No. 8M. Medium tension.....Each .75
No. 8H. Heavy tension.....Each 1.00

Delivery Prepaid in U. S. If Cash is Sent with Order at Above Prices

VIOLIN BOWS

No. 9167.



Nos. 933-935

Your son or daughter will highly appreciate the gift of a musical instrument, which will broaden their knowledge, brighten and comfort your home. No home should be without an instrument of some description, which can be selected from this Catalog at the lowest price.

No. 9205	Maple, red painted, ebony frog, inlaid dot, bone slide and button	Each $1.10
No. 9259	Maple, black finished, bone frog, inlaid eye, bone slide and button	Each 1.25
No. 9280	Maple, dark red finish, ebony frog, inlaid dot, pearl slide, German silver and ebony button	Each 1.25
No. 9285	Maple, imitation snakewood, ebony frog, inlaid dot, pearl slide, German silver button	Each 1.30
No. 9263	Brazil wood, natural color, ebony frog, inlaid dot, pearl slide, bone button	Each 1.60
No. 9264	Cherry finish stick, ebony frog German silver full lined pearl slide, pearl eye button of German silver and ebony, silvered grip	Each 1.70
No. 923	Brazil wood, ebony frog pearl inlaid dot pearl slide German silver button	Each 1.85
No. 9778	Brazil wood, ebony frog, pearl inlaid dot, pearl slide, German silver button, very broad frog	Each 2.15
No. 9179	"L. Wenzel," Brazil wood, leather grip, ebony frog, pearl slide pearl eye German silver lined, German silver button	Each 2.00
No. 9160	"L. Wenzel," Brazil wood, leather grip, ebony frog, pearl slide, pearl eye, full German silver lined, German silver button	Each 2.20
No. 929	"Tourte," Brazil wood, octagon stick, ebony frog, pearl inlaid eye, pearl slide, German silver lined, German silver button	Each 2.45
No. 9167	Brazil wood, ebony frog, full German silver lined, German silver and ebony button, brown full leather, grip	Each 2.55
No. 9264	"Bausch" Brazil wood, ebony frog, pearl eye, pearl slide, full German silver lined German silver button, leather grip	Each 2.95
No. 926	"Vuillaume" Brazil wood, ebony frog, double pearl eye, pearl slide, full German silver lined German silver button, leather grip	Each 3.10
No. 933	Brazil wood, imitation snakewood, imitation ivory frog and button, double pearl eye, German silver lined	Each 3.25
No. 935	Genuine snakewood, ivory frog, double pearl eye, German silver lined, ivory button	Each 6.05
No. 9660	"Renaud," Brazil wood dark color ebony frog, double pearl eye, pearl slide full German silver lined, German silver button, leather grip	Each 3.65

HALF SIZE.

No. 918	Brazil wood, ebony frog, leather grip, inlaid dot, pearl slide, bone button	Each $1.65
No. 924	Brazil wood, ebony frog, leather grip, inlaid dot, pearl slide, German silver button, better quality	Each 1.80
No. 921	"L. Wenzel," Brazil wood, ebony frog, pearl slide, pearl eye, full German silver lined, German silver button	Each 2.10
No. 925	Pernambuco wood, ebony frog, pearl eye, full German silver lined, pearl slide, German silver button	Each 3.65
No. 928	Pernambuco wood, ebony frog, pearl eye, full German silver lined, pearl slide, extra fine quality	Each 5.60

THREE-QUARTER SIZE.

No. 930	Brazil wood, ebony frog, leather grip, inlaid dot, pearl slide, bone button	Each $1.65
No. 936	Brazil wood, ebony frog, leather grip, inlaid dot, pearl slide, German silver button, better quality	Each 1.85
No. 931	"L. Wenzel," Brazil wood, ebony frog, pearl slide, pearl eye, full German silver lined, German silver button	Each 2.25
No. 937	Pernambuco wood, ebony frog, full German silver lined, pearl slide, German silver button	Each 3.65
No. 938	Pernambuco wood, ebony frog, full German silver lined, pearl slide, extra fine quality	Each 5.85

VIOLONCELLO BOWS

No. 9440.

We insure safe delivery on all musical goods. No fear or hesitation necessary. All orders filled promptly upon receipt.

No. 9117	Maple, imitation snakewood, ebony frog, inlaid dot, slide and button	Each $1.45
No. 915	Brazil wood, plain ebony frog, bone button, good quality	Each 2.00
No. 919	Brazil wood, ebony frog, inlaid dot, pearl slide, bone button	Each 2.20
No. 9122	Brazil wood, ebony frog pearl eye pearl slide German silver button	Each 2.40
No. 9203	Brazil wood, ebony frog double pearl eye full German silver lined, pearl slide, German silver button	Each 3.45
No. 9302	"Tourte," Pernambuco wood, octagon stick, ebony frog, pearl eye, full German silver lined, pearl slide, German silver button	Each 7.65
No. 906	"Vuillaume a Paris," Pernambuco wood, ebony frog, double pearl eye, full German silver lined, pearl slide German silver button	Each 5.85
No. 9440	"L. Bausch, Leipzig," Pernambuco wood, ebony frog, double pearl eye, full German silver lined pearl slide, German silver button	Each 11.00

MANDOLINS

No. 9602

No. 91208 9 ribs, maple and walnut, inlaid sound-hole, tortoise celluloid guard plate, walnut finger-board, position dots, nickel-covered tail piece ..... Each $5.25

No. 91210 9 ribs, mahogany and walnut white inlay between, inlaid sound hole, black celluloid guard plate, inlaid, cedar neck, rosewood finger board, pearl position dots, nickel-covered tail piece ..... Each 7.00

No. 91211 11 ribs, dark mahogany finish with black inlaying between, broad wood inlaying around sound-hole and edges, celluloid bound, hand rubbed, spruce top, solid mahogany neck, ebonized finger-board, ebony celluloid guard plate, pearl position dots, nickel-plated head, shell tail piece ..... Each 9 50

No. 91216 21 rosewood ribs white inlay between, inlaid edges, bound with pearl and ebony cord pattern, pearl inlaid sound-hole, rosewood edge, tortoise celluloid guard plate, pearl butterfly inlaid, cedar neck rosewood veneered head piece, ebony finger-board, pearl position dots, nickel-covered tail piece..... Each 10.75

No. 91212 17 ribs, solid rosewood, full apron, natural colored mahogany neck, sound-hole and edges bound with fancy colored wood inlaying and white celluloid, handsomely inlaid guard plate ebonized finger board, pearl position dots, rosewood veneered head piece, shell pattern, metal tail piece ..... Each 13.75

No. 91214 17 ribs bird's eye maple and rosewood full apron, natural finish, mahogany neck, spruce top, tortoise celluloid guard plate, neatly inlaid with butterfly, edges of apron, face and sound-hole neatly bound with attractively colored celluloid, handsomely colored variegated wood inlaying around sound-hole and edges, ebonized finger-board, inlaid with pearl position dots, rosewood veneered head piece, inlaid with fancy wood inlaying, aluminum sliding tail piece, neatly engraved, covered German silver patent heads, full engraved..... Each 22 25

No. 91218 21 rosewood ribs, white inlay between inlaid edges, pearl inlaid sound-hole, rosewood edge. Tortoise celluloid guard plate, pearl butterfly inlaid. Cedar neck, rosewood veneer head-piece. Solid pearl inlaid finger-board, nickel covered tail piece, N. P. patent heads..Each 17 50

THE SALIENT FEATURES OF OUR MANDOLINS ARE:

1 Thoroughly seasoned material insuring durability.
2 Highest class of workmanship throughout.
3 Every finger-board mathematically correct.
4. Superior tone quality arising from acoustically correct model
5 Smooth working patent heads with no "lost motion," i. e., the slightest turn of the screw is effective.

AMERICAN MAKE MANDOLINS.

No. 9501 9 ribs, dark mahogany finish, with black inlaying between, broad fancy colored wood inlaying around sound-hole and edge, celluloid bound, high varnish finish, spruce top, mahogany finish neck, rosewood finger-board and tortoise celluloid guard plate, pearl position dots, our own make nickel-plated patent head, nickel shell pattern tail piece..... Each 8.25

No. 9502 9 ribs of solid mahogany, with black inlaying between, extended rosewood apron, high varnish finish, broad fancy colored wood inlaying around sound-hole and edge, celluloid bound spruce top mahogany finish neck, rosewood finger board and tortoise celluloid guard plate, pearl position dots, our own make nickel-plated patent head, nickel shell pattern tail piece ..... Each 9.25

No. 9503 9 ribs of rosewood and maple with red inlaying between extended rosewood apron, hand polished, broad fancy colored wood inlaying around sound hole edge inlaid with corded inlaying and celluloid bound, spruce top mahogany finish neck, veneered head piece, rosewood finger-board and tortoise celluloid guard plate, pearl position dots, our own make nickel plated patent head nickel shell pattern tail piece..... Each 11.75

No. 9601 9 ribs of rosewood, with white inlaying between, hand polished broad fancy colored wood inlaying around sound-hole, edge inlaid with fancy colored corded inlaying and celluloid bound, fancy inlaid tortoise celluloid guard plate mahogany neck veneered head piece, rosewood finger-board, pearl position dots, our own make nickel plated patent head, nickel plated combined wrist rest and tail piece..... Each 14.25

No. 9602 11 ribs of rosewood, white inlaying between, hand polished, broad fancy colored corded inlaying around sound hole, edge inlaid with broad fancy colored corded inlaying and celluloid bound, tortoise celluloid guard plate with neat inlaid design of colored wood and pearl mahogany neck, rosewood veneered head piece rosewood finger-board, pearl position dots, our own make nickel plated patent head, nickel plated combined wrist rest and tail piece ..... Each 14.75

No. 9603 15 ribs of rosewood white inlay between, hand polished, broad fancy colored corded inlaying around sound-hole and edge celluloid bound edge and apron tortoise celluloid guard plate handsomely white inlaid mahogany neck, rosewood veneered head piece, ebony finger-board, pearl position marks, our own make nickel plated patent head, nickel plated combined wrist rest and tail piece .. Each 15.75

No. 9604 22 ribs of rosewood, with white inlay between, hand polished, extra broad fancy colored corded inlaying around sound hole and edge, celluloid bound edge and apron, tortoise celluloid guard plate with fancy inlaid design, mahogany neck fancy scroll head rosewood veneered ebony finger board celluloid bound fancy pear. position marks our own make nickel plated patent head, nickel plated combined wrist rest and tail piece..... Each 20.75

No. 9605 26 ribs of rosewood, with white inlay between, beautifully hand polished extra broad fancy colored inlaying around sound-hole and edge, colored bound sound hole edge and apron tortoise celluloid guard plate, with fancy pearl inlaid design, mahogany neck fancy scroll head ebony veneered ebony finger board celluloid bound, fancy pearl position marks, our own make nickel plated patent head, nickel plated combined wrist rest and tail piece ..... Each 28.50

No. 9606 35 ribs of rosewood with white inlay between, beautifully hand polished, fancy pearl inlaying around sound hole fancy broad colored inlaying around edge, sound hole edge and apron bound with celluloid tortoise celluloid guard plate, with fancy pearl inlaid design, mahogany neck, fancy scroll head ebony veneered ebony finger-board celluloid bound fancy pearl engraved position marks, our own nickel plated covered patent head, nickel plated combined wrist rest and tail piece . Each 45.25

No. 9607 43 ribs of rosewood with white inlay between, beautifully hand polished fancy pearl inlaying around sound hole and edge celluloid bound sound hole, edge and apron, tortoise celluloid guard plate with fancy pearl inlaid design mahogany neck fancy scroll head, ebony veneered inlaid with pearl ebony finger board, celluloid bound fancy pearl engraved position marks our own make nickel plated covered patent head, nickel plated combined wrist rest and tail piece..... Each 55 75

12-STRING MANDOLINS.

No. 91502 12 strings 9 ribs of solid mahogany, with black inlaying between extended rosewood apron high varnish finish, broad fancy colored wood inlaying around sound hole and edge celluloid bound spruce top mahogany finish neck rosewood finger-board and tortoise celluloid guard plate, pearl position dots, our own make nickel plated patent head, nickel plated shell pattern tail piece Each... 12.00

No. 91603 12 strings, 15 ribs of rosewood white inlay between hand polished broad fancy colored corded inlaying around sound hole and edge celluloid bound edge and apron tortoise celluloid guard plate handsomely white inlaid, mahogany neck, rosewood veneered head piece, ebony finger-board, pearl position marks, our own make nickel plated patent head nickel plated combined wrist rest and tail piece..... Each 18.25

VIOLINS

In the following list will be found all the popular quick-selling styles of Violins on the market including a large number of models that cannot be obtained elsewhere. Every model, color and quality of tone for which a demand exists is represented. Dealers can rest assured that these instruments will give lasting satisfaction to their patrons, and they may be spoken of in terms of highest commendation.

Prices quoted do not include Bows.

GERMAN.

No. 913 Fine shaded back, good model and finish ..... Each $ 5.00
No. 914 Red color, shaded, good model and finish, inlaid edges ..... Each 5 75
No. 937 Reddish brown color, not shaded, varnish finish, inlaid edges ..... Each 7 00
No. 941 Kohler Model handsome red color, shaded, highly polished.....Each 7.25
No. 939 Salzard Model, dark red color, polished, inlaid edges ..... Each 7.50

HOPF MODEL.

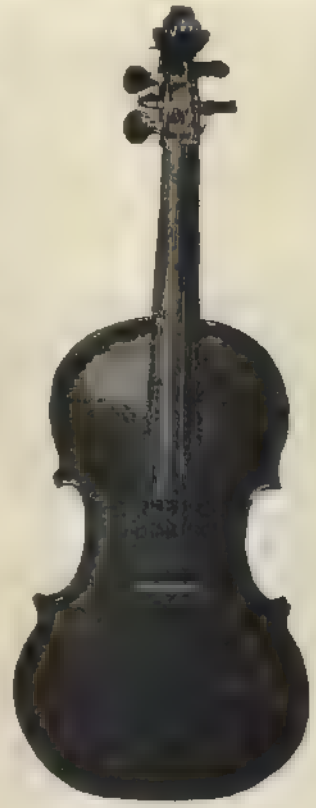
No. 9109 Brown color, good quality, inlaid edges .....Each $ 5 50
No. 967 Brown color, polished, inlaid edges, better quality ..... Each 7 25
No. 935 Brown color, polished finish swelled top and back .....Each 8 25
No. 964 Brown color, polished finish, swelled top and back, with ebony finger-board and tail piece .....Each 10 00

STAINER MODEL.

No. 944 Light brown color, shaded, flamed back and neck, highly polished .. Each $ 7.25
No. 9171 Medium red color, shaded, pearl inlaid tail piece.....Each 7.50
No. 948 Amber color, shaded, pearl inlaid tail piece, highly polished.....Each 7 50
No. 9390 Amber color, shaded, good model and finish, ebony finger-board, etc...Each 8 25
No. 9392 Light red color shaded, highly polished ebony finger board, etc Each 10 75
No. 9406 Reddish brown color highly polished ebony finger board and tail piece Each 12.00
No. 9394 Light brown color, finely shaded, high polish finish, full ebony trimmed. Each 12 50
No. 9396 Dark brown color highly polished, deep edges fine model, full ebony trimmed .....Each 12.75
No. 9398 Ruddy red color, high polish finish, fine model, good workmanship, full ebony trimmed .. .. Each 14 25
No. 9200 Dark amber color, high finish, ebony finger board and tail piece Each 15.75

WITH EBONY FINGER-BOARDS, ETC.

No. 970 Reddish brown color, shaded, highly polished .....Each $ 6.25
No. 974 Brown and amber color, shaded, highly polished .....Each 7.00
No. 9420 Reddish brown color, shaded, high varnish finish .... Each 8.00
No. 9422 Reddish brown color, highly polished, good finish.....Each 7.75
No. 9431 Light brown color, polished and shaded, well finished.....Each 9.25



All Orders Filled Same Day Received— No Delay.

With Ebony Finger-Boards, Etc., Continued.

No. 9500 One Half Model, brown color dull finish ..... Each $11 50
No. 966 Russian Model, dark red color, shaded, highly polished rounded edges, ebony finger board and tail piece Each 10 75
No. 9719 Amati Model, full dark amber color, high polish, ebony finger-board, etc. Each 11.25
No. 9506 Vuillaume Model, light amber color, shaded, highly polished, ebony finger-board, etc. .....Each 11.75
No. 9174 Salzard Model, dark red color, polished ..... Each 13.25
No. 9323 Amati Model, good copy of old with reproduction of cracks, abrasions, etc., full ebony trimmed.....Each 15.00
No. 9914 Amati model, dark amber color, light edges, highly finished.....Each 15.75

HIGH-GRADE VIOLINS FOR PROFESSIONAL USE.

THE CELEBRATED ARTISTO VIOLINS.

No. 9850 F. Breton Model, fine red amber color, high polish finish, ebony pegs, finger-board and tail piece.....Each $16.75
No. 9854 Stradivarius Model, fine amber colored varnish, highly finished, ebony pegs, ebony finger-board and tail piece Each 20.00
No. 9856 Stradivarius Model, dark brown color, slightly shaded, highly polished finish, light edges, ebony pegs, ebony finger-board and tail piece ..... Each 23.25
No. 9858 Maggini Model, medium red amber color double row purfling highly polished and finished, full ebony trimmed. Each 27 50
No. 9860 Guarnerius Model, reddish amber color, highly polished and finished, fine pattern, gilt mounted pegs, full ebony trimmed ..... Each 34 25
No. 9862 Stradivarius Model ruddy red color, highly polished, elegant finish, fine flamed back, full ebony trimmed Each 40 75
No. 9864 Amati Model, fine amber color, highly polished and finished, artistic rounded edges, pearl inlaid tail piece and pegs, full ebony trimmed.....Each 50.75
No. 9866 Maggini Model, orange amber color, double rows of purfling, fine pattern, highly polished and finished, fine flamed back, full ebony trimmed ..... Each 57.50
No. 9868 Stradivarius Model, grand pattern, amber color, highly polished and finished, high grade workmanship, beautiful flamed back, full ebony trimmed.....Each 74.25

SEVEN-EIGHTHS SIZE. (LADIES' VIOLINS.)

No. 9208 Ladies' Violin, reddish brown color, shaded, oil varnished, ebony finger-board and tail piece ..... Each $15.50
No. 9209 Ladies' Violin, reddish brown color, shaded, oil varnished, fine quality ebony finger-board and tail piece ..... Each 20.00

THREE-QUARTER SIZE.

No. 9193/4 Red and amber shaded, good model and finish .....Each 6 75
No. 9213/4 Light brown color, shaded, good model and finish, ebony finger-board and tail piece.....Each 8.25
No. 9303/4 German Italian School, dark brown color good model and finish plain trimmings ..... Each 9 00
No. 9803/4 German Italian School, dark brown color, fine model and finish .....Each 10.50
No. 9713/4 Stradivarius Model, light amber color, shaded, ebony finger-board, etc. .....Each 9.50
No. 9423/4 Red color, good model and finish, ebony finger-board and tail piece.....Each 11.25
No. 9493/4 Brown shaded, fine model, ebony finger-board and tail piece .... Each 14 50
No. 9623/4 Stradivarius model, medium red color, shaded, highly polished, ebony finger-board and tail piece. ..... Each 16 75
No. 9243/4 German Italian School, medium brown color, fine model and tone, ebony finger-board and tail piece.. ..... Each 19 25
No. 9953/4 Amati model, brown amber color, highly polished, full ebony trimmed ..... Each 25 75
No. 9201/4 Johann Ferd Pfretzschner, high amber varnish finish, flamed back and sides, full ebony trimmed ..... Each 30 75
No. 9323/4 Johann Ferd Pfretzschner, Amati model, high amber varnish finish flamed back and sides, ebony trimmed, rosewood pegs Each 40.75

HALF SIZE.

No. 9191/2 Red and amber shaded, good model and finish.....Each $6 50
No. 9211/2 Light brown color, shaded, good model and finish, ebony finger board and tail piece ..... Each 8 25
No. 9301/2 German Italian School, dark brown color, good model and finish ..... Each 8 75
No. 9801/2 German Italian School, dark brown color, fine model and finish ..... Each 9 50
No. 9491/2 Brown shaded, fine model, ebony finger-board and tail piece ..... Each 13 25
No. 9521/2 Stradivarius model, amber color, shaded, highly polished, ebony finger-board and tail piece ..... Each 15 50
No. 9241/2 Stradivarius model, amber medium brown color, fine model and tone, full ebony trimmed.. ..... Each 17.50
No. 1951/2 Amati model, brown amber color, highly polished, full ebony trimmed ..... Each 25.75

VIOLONCELLOS

Prices quoted do not include Bows.

WITH PEG HEADS.

No. 912 Reddish brown color, good quality ..... Each $21.00
No. 914 Reddish brown color, better quality ..... Each 23.50
No. 931 Light red color, good quality, inlaid edges ..... Each 30.25
No. 932 Reddish brown color, good quality, polished, ebony finger-board ..... Each 36.00
No. 943 Light red color, fine quality, polished, ebony finger-board and tailpiece ..... Each 48.50
No. 9218 Guarnerius model, reddish brown color, polished, ebony finger-board and tailpiece. Each 53.50
No. 9312 Stradivarius model German, Italian School, red-brown color superior quality, highly polished ebony pegs, adjustable brass end pin ..... Each 73.50
No. 9350 Stradivarius model, medium red color, highly polished, ebony finger-board and tailpiece ..... Each 86.75

WITH PATENT HEADS.

No. 9201 Reddish brown color, fair quality ..... Each $24.50
No. 9203 Medium brown color, polished, good quality ..... Each 28.50
No. 9215 Reddish brown color, inlaid edges, better quality, brass plates ..... Each 34.25
No. 9240 Dark brown color, fine quality, inlaid edges, ebony finger-board, brass plates ..... Each 36.75
No. 9259 Dark brown color, inlaid edges, superior quality, brass plates ..... Each 40.00
No. 9265 Stradivarius model, medium red color highly polished, ebony trimmed, brass patent heads ..... Each 100.00

Fine Genuine Old Violoncellos Carried in Stock.

GERMAN, ITALIAN SCHOOL.

No. 9300 Stradivarius model, red-brown color, fine quality, brass plates, adjustable brass end pin ..... Each $63.50

SUPERIOR QUALITY.

Each Instrument Bears the Above Brand.

WITH PEG HEADS.

No. 92080 Amati model, medium amber color varnish, highly polished, curly maple back and sides, full ebony trimmed, extension end pin ..... Each $120.00
No. 92082 Stradivarius model, amber color varnish, highly finished, curly maple back and sides, ebony finger-board and tailpiece, cocoa pegs, extension end pin ..... Each 170.00

THREE-QUARTER SIZE.

No. 920 Three-quarter size, reddish brown color, polished, inlaid edges, superior quality ..... Ea. $32.75

DOUBLE BASS

WITH PATENT HEADS. PRICES QUOTED INCLUDE BOWS.

One-Quarter Size.

No. 958 4 strings, dark red, shaded, polished, good quality ..... Each $61.50

Half Sizes.

No. 960 3 strings, dark red, shaded polished good quality ..... Each $60.75
No. 961 4 strings, dark red, shaded, polished, good quality ..... Each 63.25
No. 971 4 strings, dark red, shaded, polished, better quality, with ebony finger-board ..... Each 74.00
No. 965 4 strings dark red shaded, polished inlaid edges, swelled back, fine quality ..... Each 93.75

Three-Quarter Sizes.

No. 962 3 strings, dark red, shaded, polished, good quality ..... Each $65.75
No. 963 4 strings, dark red, shaded, polished, good quality ..... Each 69.00
No. 973 4 strings, dark red, shaded, polished, better quality, with ebony finger-board ..... Each 79.75
No. 967 4 strings, dark red, shaded, polished, inlaid edges, fine quality ..... Each 85.25
No. 974 4 strings dark red, shaded, polished, inlaid edges, fine quality, with ebony finger-board ..... Each 94.75
No. 969 4 strings, dark red, shaded, polished, inlaid edges, swelled back, fine quality ..... Each 107.25

GERMAN, ITALIAN SCHOOL.

Three-Quarter Size.

No. 975 4 strings, dark brown color, swelled back ebony finger-board and tailpiece, extra fine quality, brass patent head (for artists) Each $214.75

Full (4/4) Size.

No. 976 4 strings, dark brown amber shaded, inlaid edges, swelled back, reinforced sides, brass patent heads, excellent quality best ebony finger-board ..... Each $255.75

We do not warrant Double Basses against checking or warping.

Waltham Colonial Series Complete Watches

Cased and Timed at Factory and Sold Complete

Furnished with White Enamel, Gilded or Silvered Finished Metal Dial. State Dial Wanted when Ordering.

Illustration actual size.

25-Year Gold Filled Open Face Style, Calumet Single Joint Cases

No. 235	Fitted with No. 1420, 15 jewel movement, complete	$51 40
No. 233	Fitted with No. 1425, 17 jewel movement, complete	58 25
No. 231	Fitted with Royal, 17 jewel movement, complete	72 60
No. 229	Fitted with Riverside, 19 jewel movement, complete	94.80

25-Year Gold Filled Open Face Style, Jointed Cases with Inside Caps

No. 227	Fitted with No. 1420, 15 jewel movement, complete	$50.40
No. 225	Fitted with No. 1425, 17 jewel movement, complete	79 25
No. 223	Fitted with Royal, 17 jewel movement, complete	72 60
No. 221	Fitted with Riverside, 19 jewel movement, complete	94 80

25-Year Gold Filled Hunting Style Cases

No. 215	Fitted with No. 1425, 17 jewel movement, complete	$66 75
No. 213	Fitted with Royal, 17 jewel movement, complete	74 10
No. 211	Fitted with Riverside, 19 jewel movement, complete	96.30

The above prices are for Bassine plain polished cases.

Engraved cases, Hunting Style List, extra, $2.70. Open Face Style List, extra, $2.10.

14K Solid Gold Open Face Style, Calumet Single Joint, Plain Polish or Engine Turned Cases

No. 124.	Fitted with No. 1420, 15 jewel movement, complete	$ 71.10
No. 122	Fitted with No. 1425, 17 jewel movement, complete	80.00
No. 120.	Fitted with Royal, 17 jewel movement, complete	100.75
No. 118.	Fitted with Riverside, 19 jewel movement, complete	124 45

14K Solid Gold Open Face Style, Jointed with Inside Cap, Plain Polish or Engine Turned Cases

No. 116.	Fitted with No. 1420, 15 jewel movement, complete	$ 90.40
No. 114.	Fitted with No. 1425, 17 jewel movement, complete	102 25
No. 112.	Fitted with Royal, 17 jewel movement, complete	118 80
No. 110.	Fitted with Riverside, 19 jewel movement, complete	144 35
No. 108.	Fitted with Riverside Maximus, 23 jewel movement, complete	248.90

14K Solid Gold Hunting Style, Plain Polish or Engine Turned Cases

No. 113	Fitted with No. 1425, 17 jewel movement, complete	$118 50
No. 111	Fitted with Royal, 17 jewel movement, complete	135 35
No. 109	Fitted with Riverside, 19 jewel movement, complete	163 00
No. 107.	Fitted with Riverside Maximus, 23 jewel movement, complete	274.10

18K Solid Gold Open Face Style, Jointed with Inside Cap, Plain Polish or Engine Turned Cases

No. 106.	Fitted with Royal, 17 jewel movement, complete	$148.15
No. 104	Fitted with Riverside, 17 jewel movement, complete	165.95
No. 102	Fitted with Riverside Maximus, 23 jewel movement, complete	280.00

18-K Solid Gold Hunting Style, Plain Polish or Engine Turned Cases

No. 105.	Fitted with Royal, 17 jewel movement, complete	$174.85
No. 103	Fitted with Riverside, 17 jewel movement, complete	192 60
No. 101.	Fitted with Riverside Maximus, 23 jewel movement, complete	317.00

Descriptions of Colonial Series Movements

No. 1420. Nickel. 15 jewels in settings; cut expansion balance, meantime screws, patent detachable balance staff; patent Breguet hairspring, hardened and tempered in form, exposed jewels; patent micrometric regulator, tempered steel safety barrel; exposed winding wheels.

No. 1425. Nickel. 17 jewels in settings, cut expansion balance, meantime screws; patent detachable balance staff, patent Breguet hairspring, hardened and tempered in form, exposed pallets; red gilded center wheel, patent micrometric regulator, tempered steel safety barrel, exposed winding wheels.

Royal. Nickel. 17 jewels in settings, adjusted to temperature and three positions; compensating balance, meantime screws; patent detachable balance staff; patent Breguet hairspring; hardened and tempered in form, exposed pallets; patent micrometric regulator; tempered steel safety barrel; exposed winding wheels.

Riverside. Nickel. 19 fine ruby jewels, raised gold settings, adjusted to temperature and five positions; compensating balance, meantime screws; patent Breguet hairspring, hardened and tempered in form, patent detachable balance staff, double roller escapement; steel escape wheel; exposed sapphire pallets, red gold center wheel; patent micrometric regulator; exposed winding wheels, tempered steel safety barrel.

Riverside Maximus. Nickel. 23 diamond and fine ruby jewels; two pairs diamond caps, raised gold settings; accurately adjusted to temperature, isochronism and five positions and carefully timed, compensating balance, meantime screws; patent Breguet hairspring, hardened and tempered in form, patent detachable balance staff, both balance pivots running on diamonds; double roller escapement, sapphire jewel pin permanently driven into the roller; exposed sapphire pallets, steel escape wheel, gold train, patent micrometric regulator, tempered steel safety barrel; exposed winding wheels, steel parts chamfered; fine glass hand-painted dial of most modern and artistic design.

A Dueber-Hampden Special

AN IDEAL GENTLEMAN'S WATCH

14 Karat Solid Gold Case

(ACTUAL SIZE)

17 Jewels Adjusted Movement

A 14 KARAT SOLID GOLD WATCH. THE BIGGEST ADVERTISER AND TRADE BRINGER EVER OFFERED THE MERCHANT

Case. This is *full 14Kt. solid gold*—(not gold filled)—12 size, open face, dust proof, solid back case, has jointed front with hinged movement holder. Can be had either plain polished or Roman finish.

Dueber made the case. The name in the case guarantees quality, style, finish and workmanship.

Movement. Nickel, bridge model, adjusted, 17 ruby and sapphire jewels in settings, *steel escape wheel*, compensation balance, Breguet hair spring, patent regulator, patent safety center pinion, highly finished exposed winding wheels, bright bevel head screws, elaborately damaskeened, gold lettering, double sunk glass enamel dial with red marginal figures and *double roller escapement.*

The Hampden Watch Works made the movement, the manufacturers of watches used in railway service. Their name is on it and they guarantee it.

We Have Contracted with the manufacturers to sell a large quantity of this particular watch. They have made *such a close price*, and we in turn are satisfied with so a small margin, that the price we ask is practically a revelation in watch industry.

If You Want to sell a good watch, treat your customers right, and know that competition cannot touch this watch—*here is your opportunity.*

No. 457. Catalogue List Price $55.05

ORDER TO-DAY—DON'T PUT IT OFF

This Is An Advertisement That's An Income—Not An Expense

HAND WASHING MACHINES, REPAIRS, ETC.

No. 120—Standard Perfection, hardwood body, height 30 in., length 34 in., width 12½ in., wood grip, hardwood frame cylinder, malleable iron castings, hinged cover, w't per doz. 600 lbs.★ ....per dozen **CAJE** $50.00

No. 4—American, family size, hardwood, height 28 in., width 24 in., inside corrugated, hinged cover, galvanized iron, standard and cog wheels, hardwood handle and dasher, w't per dozen 600 lbs., per doz. **DJBE** $70.00

Hardwood Body, and Frame Cylinder, Malleable Iron Castings, Hinged Cover.

Hardwood Body, and Frame Cylinder, Hinged Cover, Malleable Iron Castings.

No. 1—Standard Champion, medium size, height 31 in., length 34½ in., width 18½ in., wood handle, w't per doz. 960 lbs. ....per dozen $105.00

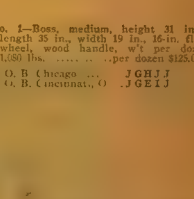
F. O. B. Chicago..... ...**JFGHE**
F. O. B. Cincinnati, O ...**JFEEE**

No. 2—Standard Champion, large size, height 31 in., length 34½ in., width 20½ in., fly wheel, wood handle, w't per doz. 1,080 lbs. .per dozen $117.00

F. O. B. Chicago .... **JGHBJ**
F. O. B. Cincinnati, O .. **JIIJJ**

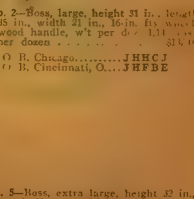
No. 15—Superior, kiln dried Arkansas cottonwood, height 24 in., length 33 in., width 21 in., galvanized iron body, with removable hardwood corrugated slats, hardwood cylinder and handle, galvanized iron socket guides, four hardwood bolted legs, w't per doz. 480 lbs. .....per dozen $48.00

F. O. B. Chicago .. **.BHBJ**
F. O. B. Ft. Wayne, Ind. **.BGFJ**



No. 1—Boss, medium, height 31 in., length 35 in., width 19 in., 16-in. fly wheel, wood handle, w't per doz. 1,050 lbs. ....per dozen $125.00

F. O. B. Chicago .... **JGHJJ**
F. O. B. Cincinnati, O .**JGEIJ**



No. 2—Boss, large, height 31 in., length 35 in., width 21 in., 16-in. fly wheel, wood handle, w't per doz. 1,14[illegible] lbs., per dozen . . . . . $[illegible]

F. O. B. Chicago..... **JHHCJ**
F. O. B. Cincinnati, O.... **JHFBE**

No. 5—Boss, extra large, height 32 in., length 35 in., width 24 in., 2[illegible]-in. fly wheel w't per doz. 1,260 lbs., per dozen $150.00

F. O. B. Chicago..... **AIJJJ**
F. O. B. Cincinnati, O **JIHFJ**

GUARANTEED BALL BEARING WRINGERS.

On this and the following page we illustrate several patterns of Wringers, under the brands [illegible] and REVONOC. The rolls in [illegible] wringers are guaranteed for five years, those in the REVONOC are guaranteed for three years, otherwise they are identical.

These wringers embody two very important improvements, namely, the "Enclosed Cog Wheels" and "Ball Bearings," but in connection with these are a number of other points which contribute to their superiority.

Frame—This is made of seasoned hard wood, in the simplest manner, carefully joined and bolted, all of the working parts encased leaving nothing to be desired in the appearance and convenience of the wringer. It is carefully varnished, painted, and well finished in every detail.

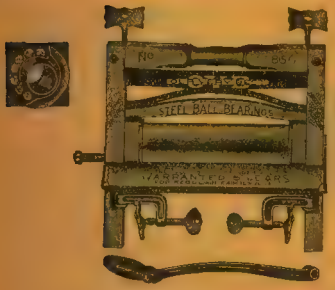
Rolls—These are of exceptional quality and will last the term of years for which they are guaranteed, if used for family washing. The [illegible] are made from the best solid white rubber, the same quality from outside of cover to shaft, are soft and have the proper elasticity to do good wringing. The rolls of the REVONOC are second only to the [illegible].

Covered Gearing—This is a very important improvement—there is no danger of clothing catching in the cogs. The appearance is vastly improved. The spring is longer, removing the strain on the rollers when rolls are separated, and the danger of children getting their fingers crushed is entirely removed.

Ball Bearings—These are located on the outside of the cog wheels, and therefore removed a considerable distance from the rolls, so that no water can reach them from wringing of clothes. The ball race is so constructed that should any water reach the bearings, it will drain out immediately, avoiding rust. The bearings can be oiled without any danger of the oil reaching the rolls. The balls are solid steel of uniform size. The bearings are of large size and reduce friction to a minimum, and [illegible] or REVONOC wringers can be operated with one half the effort of an ordinary wringer.

Other Points—Everything about these wringers is high grade and made for use. The thumb screws are large and easy to handle. The spring is made of the best quality of steel, adapted for the purpose. The clamps are extra strong, easy to apply, and are made to be attached to wood or galvanized tubs, either round or square.

[illegible]



No. 850 [illegible]—10x1¾ in. finest quality rolls, warranted for five years, encased cog wheels, with ball bearings, large frame, folding apron, adjustable clamps, for either wood or galvanized tubs, w't per doz. 275 lbs., per doz. **DFHJ** $76.00
Nos. 12, 16, 51 and 52 rolls will fit No. 850 [illegible].

No. 851 [illegible]—11x1¾ in. finest quality rolls, warranted for five years, otherwise same as No. 850 [illegible], w't per doz. 300 lbs., ... per dozen **EAFG** $84.00
Nos. 41, 42, 61 and 62 rolls, will fit No. 851 [illegible].

ONE QUARTER DOZEN IN A CASE

REVONOC

No. 820 REVONOC 10x1¾ in. rolls, warranted for three years, ball bearings, encased cog wheels and bearings, large frame, folding apron, adjustable clamps, for either wood or galvanized tubs, w't per doz. 275 lbs., per dozen **DBJ** $68.00
Nos. 12, 16, 51 and 52 rolls will fit No. 820 REVONOC.

No. 821 REVONOC 11x1¾ in. rolls, warranted for three years, otherwise same as No. 820 REVONOC, w't per doz. 300 lbs., per dozen ..... **DFBJ** $75.00
Nos. 41, 42, 61 and 62 rolls will fit No. 821 REVONOC.

ONE-QUARTER DOZEN IN A CASE.

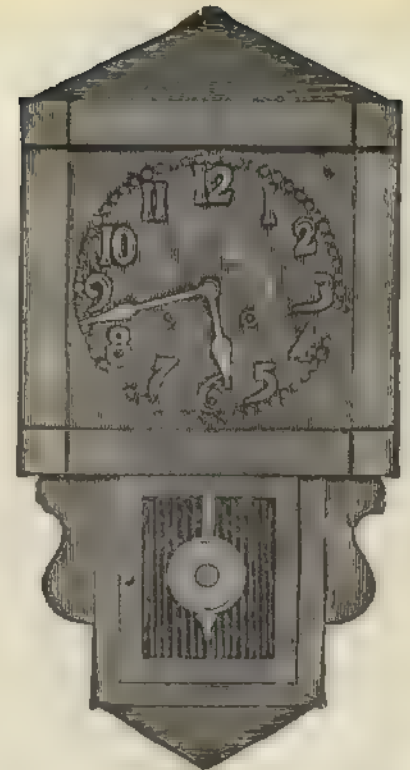
Waterbury Clock Co.'s Fine Den and Office Clocks

Guaranteed Accurate Timekeepers

ROUND HEAD DROP
Oak

No.		Each.
No. 11[illegible]	8 Day, Time	$7 75
No. 11[illegible]	8 Day, Half-hour Strike	9 10
	Alarm Additional	[illegible]
No. 11[illegible]	8 Day, Time, Calendar	[illegible] 8 40
No. 11[illegible]	8 Day, Half-hour Strike, Calendar	Each, 9 75

12-inch Dial. Height, 2[illegible] Inches

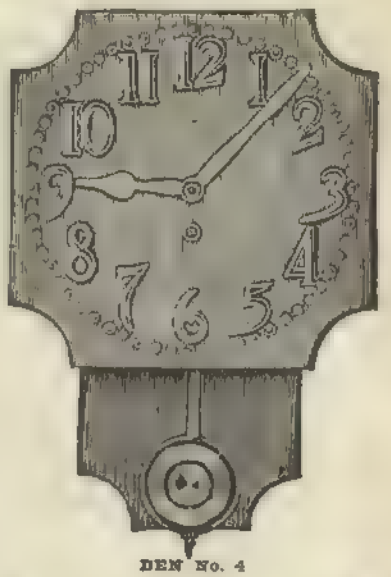


DEN No. 3
Dark Oak

No.		Each.
11506—8 Day	Time	$[illegible] 0
11507—8 Day	[illegible] Strike [illegible]	[illegible]

[illegible] Dial

Height 26[illegible] [illegible]. Width 17 Inches



DEN No. 4
Dark Oak

No.		Each.
11[illegible]	8 Day Time	$ [illegible] 35
11[illegible]	8 Day Half-hour Strike [illegible]	13 5

[illegible] Dial

Height, 17½ Inches. Width, 12 Inches

CRANE
Oak or Mahogany Finish

No.		Each.
11510—	8 Day, Time	$7 90
11 11	8 Day, Half hour Strike	9 20
11 12	8 Day Time Calendar	8 5
11513	8 Day Half hour Strike Calendar	9 90

12-in. Dial Height, 37 in Width 16½ in

Be sure to state finish wanted. If not mentioned, Oak will be sent at your risk.

8-INCH DROP OCTAGON
Oak or Rosewood Veneered

No.		Each.
11[illegible]	8 Day Time	$6 [illegible]
1151	8 Day Half-hour Strike	7 80
	Alarm Additional	70
11516—	8 Day, Time, Calendar	7 20
11517—	8 Day, Half-hour Strike, Calendar	8 55

8 inch Dial. Height, 10 inches.

10-INCH DROP OCTAGON
Oak or Rosewood Veneered

No.		Each.
11518—	8 Day, Time	$6 95
11519—	8 Day, Half-hour Strike	8 30
	Alarm Additional	70
11520—	8 Day, Time, Calendar	7 60
11521—	8 Day, Half-hour Strike, Calendar	8 95

10 inch Dial. Height, 22 inches.

10-INCH HERON
[illegible]

No.		Each.
11522—	8 Day, Time	$ 7 50
11523—	8 Day, Half-hour Strike	8 90
11524	8 Day, Time Calendar	8 2[illegible]
11525—	8 Day, Half-hour Strike, Calendar	9 75

10 inch Dial Height, 30 inches.

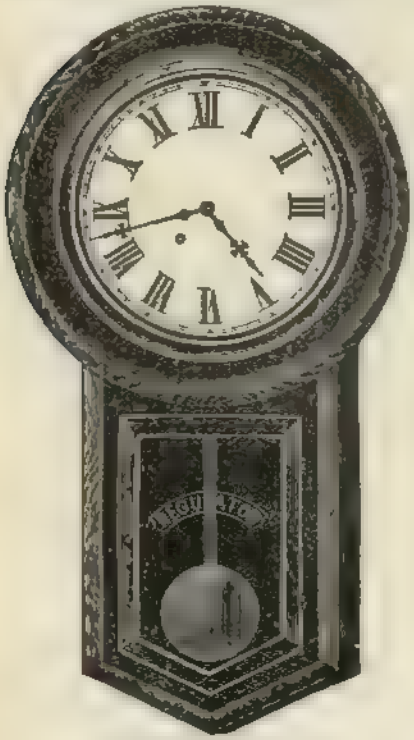
12-INCH HERON
Oak or Mahogany Finish

No.		Each.
11526—	8 Day Time	$7 50
11527—	8 Day Half hour Strike	8 90
11528	8 Day Time Calendar	8 20
11529	8 Day Half hour Strike, Calendar	9 75

12 inch Dial Height 32 Inches

New Haven Clock Co.'s Fine Office Clocks and Regulators

Guaranteed Accurate Timekeepers



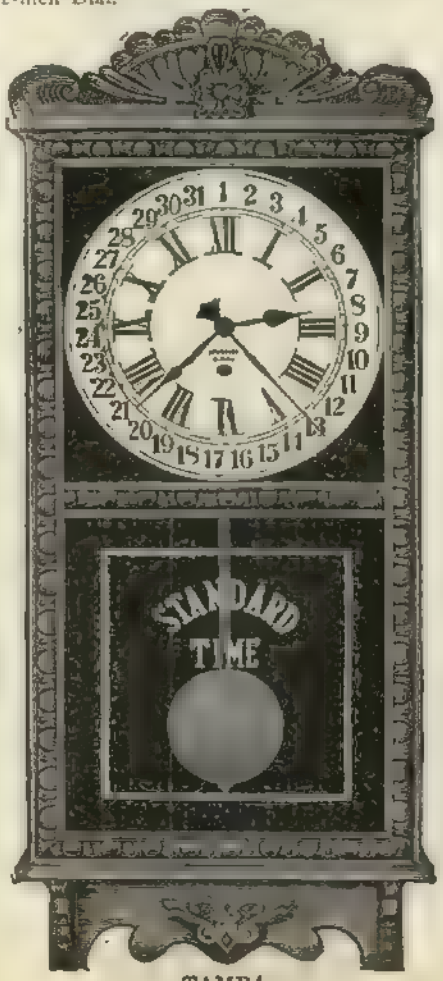
REGULATOR
Solid Oak or Mahogany
No. 11536—8-Day, Time . . . . . Each, $12.55
Height, 32 ¼ inches. Width, 17¾ inches.
12-inch Dial.

BANK Solid Oak
No. 11531—8-Day Time . . . . . Each, $9.70
Height, 33 ¼ inches. Width, 18½ inches.
12-inch Dial.

DROP OCTAGON

No.	Solid Oak		Each
11532—8-Day	Time, 8-inch Dial		$7.40
11533 8-Day	Time, 10-inch Dial		7.90
11534 8-Day,	Time, 12-inch Dial		8.75
	8-in.	10 in.	12 in.
Height	18¼	21⅝	23 ¼
Width	12⅜	13⅞	16 ¼

REFEREE
Solid Oak or Mahogany
No. 11535—8-Day, Time . . . . . Each, $9.90
Height, 35½ inches. Width, 16 inches.
Dial, 12 inches.

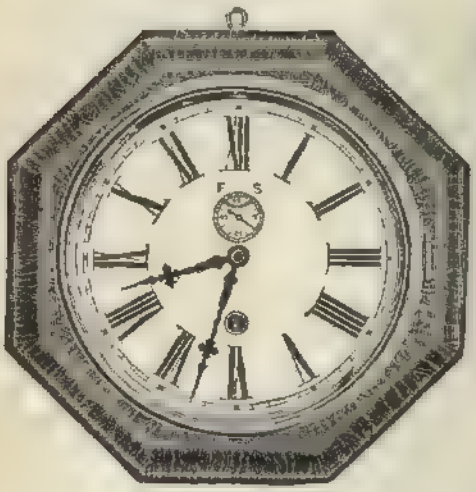


TAMPA
Solid Oak or Mahogany
No. 11530—8-Day, Time, Calendar,
Each $10.50
Height, 37¾ inches. Width, 15 inches.
Dial, 12 inches.

SATURN
Solid Oak or Mahogany
Eight-Day Weight Time
No. 11537 . . . . . Each, $29.10
Height, 34 ¼ inches. Width, 15¼ inches.
Dial, 12 inches.

WATERBURY CLOCK CO.'S
Fine Clocks

Guaranteed Accurate Timekeepers



OCTAGON LEVER
Veneered

	Each
No. 11651—1 Day, 6 inch, Time ..	$ 4.30
No 11652—1 Day, 6 inch, Strike....	5.30
No 11653—8 Day, 6 inch, Time	5.80
No. 11654—8 Day, 8 inch, Time .. .	6.50
No 11655—8 Day, 8 in., Half-hour Strike	8.50
No 11656—8 Day, 12 inch, Time.. .	8.15
No 11657—8 Day, 12 in., Half hour Strike	10.35

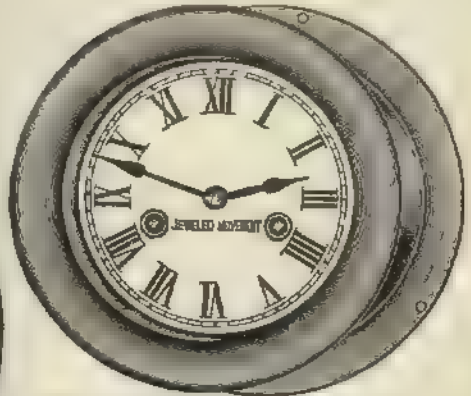
OCTAGON LEVER—Calendar Veneered

No. 11658—8 Day, 8 inch, Time, Calendar	$ 7.15
No 11659—8 Day, 8 inch, Half-hour Strike, Calendar	9.15
No 11660—8 Day 12 inch, Time, Calendar	8.80
No. 11661—8 Day, 12 inch, Half-hour Strike, Calendar	11.00

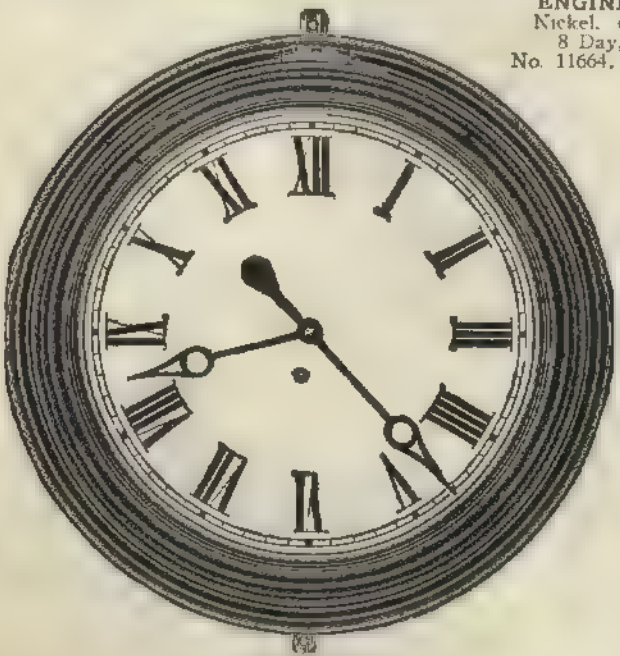
YACHT
Polished Brass
No. 11662—8 Day, Time....Each, **$10.70**
4½ inch IVORY Dial Ivory Center.
Beveled Glass.
Measures across the back 6½ inches.
Winds, Regulates and Sets from Outside.

NAVY—Polished Brass
8 Day, Time.
3½ inch Porcelain Dial Beveled Glass.
Measures across the back 4¾ inches.
Winds, Regulates and Sets from Outside.
No. 11663.....Each, $9.35

ENGINE LEVER
Nickel. 6 inch Dial.
8 Day, Time
No. 11664. . Each, $8.00



SHIP'S BELL No. 1—Polished Brass
8 Day, Strike, Going, Jeweled Movement.
4½ inch Porcelain Dial. Hinged Bezel
Measures across the back 6 inches.
No. 11665.. ... .Each, $26.70



GALLERY
Oak Pendulum Movement

	Each
No. 11666—8 Day, 12 inch, Time.	$17.35
No. 11667—8 Day, 12 inch, Strike	18.70
No. 11668—8 Day, 18 inch, Time.	26.70
No. 11669—8 Day 18 inch Strike.	28.00
No. 11670—8 Day 24 inch, Time	42.70
No 11671—8 Day 24 inch, Strike	44.00
No. 11672—30 Day, 24 inch, Time	44.00

LOBBY, OAK
30 Day, Time (Pendulum Movement).
18 inch Dial.
Height 39 inches, Width, 28 inches.
No. 11673.....Each, $46.70

Waterbury Clock Co.'s Fine Hall Clocks

GUARANTEED ACCURATE TIMEKEEPERS

No. 58 and No. 76 Strike on TUBULAR GONG 1 3-4 inches in diameter, 6 feet in length

HALL CLOCK No. 74
Oak or Mahogany Finish

8 Day, Chain Weight, Half-hour Strike, Gong. Beats Seconds.
12 inch Gilt and Silver Dial.
Height, 88 inches. Width, 22¾ inches.

No. 11607..... Each, $90.70

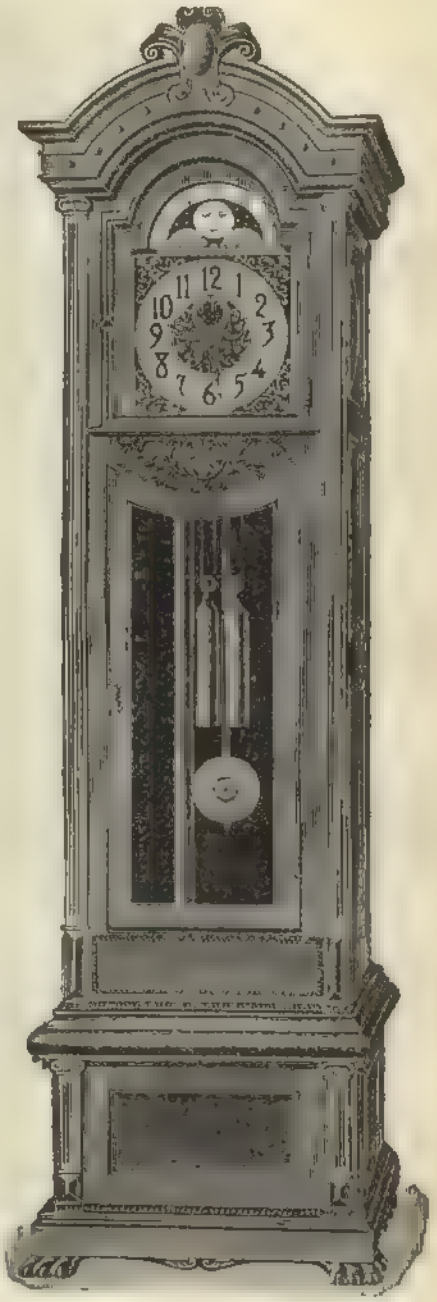
HALL CLOCK No. 58
Mahogany
Gilt Ornaments, Bases and Caps

or

Mahogany
Mahogany Ornaments, Bases and Caps

Beveled Plate Glass Panel.
8 Day, Weight, Half-hour Strike
Tubular Gong
Moon's Phases. Brass Weights.
Beats Seconds, Dead-beat Escapement,
Retaining Power.
Solid Polished Movement Frames.
12 inch Gilt and Silver Dial
Height, 93¼ inches. Width, 24⅞ inches.

No 11608.. ... ... Each $200 00



HALL CLOCK No. 76
Mahogany

Beveled Plate Glass Panel.
8 Day, Weight, Half-hour Strike,
Tubular Gong
Moon's Phases. Brass Weights
Beats Seconds, Dead-beat Escapement,
Retaining Power.
Solid Polished Movement Frames.
12 inch Gilt and Silver Dial.

Height, 97 inches. Width, 27½ inches.
No. 11609.....Each, $266.70

SETH THOMAS CLOCK CO.'S FINE HALL CLOCKS

We only illustrate such goods that are in demand, up-to date, popular and particularly desirable.

STRIKING HALL CLOCK No 22

Mahogany and Golden Oak
98 in High 27 in Wide 15 in Deep
High Grade Eight Day Weight Movement No 72
Striking hours and half hours on Cathedral Bell
Silvered Dial with Revolving Moon
No 11611 . Each $433.35

CHIMING HALL CLOCK No 2274

Same Case as Dial as No 22
High-Grade Eight-Day Weight Movement No 74
Chiming the Westminster every 15 minutes on four "Sonora" patented deep-toned Resonated Bells and striking the hours on a large Cathedral Bell
No. 11611 .Each, $433.35

CHIMING HALL CLOCK No 40

Mahogany, Flemish and Golden Oak. 92 in High 19 in Wide. 11 in. Deep
Westminster Chime every 15 minutes, and striking the hours on two "Sonora" patented deep-toned Resonated Bells. Eight-Day Spring Movement as used in our Musical Chimes, but with seconds beat and 3¾-inch brass-covered Bell. Brass-etched Dial with black numerals and steel hands, ground. Metal dial can be removed if desired. Wood door
No 11612 ..... Each $160.00
Beveled Plate glass in Lower Door
No. 11613 ... Each $166.70

CHIMING HALL CLOCK No. 240

Same Case as No. 40
Whittington and Westminster Quarter Hour Chime on 8 bells, with switch to play either chime continuously or alternate. With wood door
No. 11614.....Each, $200.00
With beveled plate glass door
No. 11615 .....Each, $206.70

STRIKING HALL CLOCK No. 33

Mahogany and Golden Oak
97 in High 22 in Wide 10 in. Deep
High Grade Eight Day Weight Movement No 72B Striking hours and half hours or Cathedral Bell Fine pierced gilt dial with revolving moon
No 11616 .....Each, $266.70

CHIMING HALL CLOCK No. 3374

Same Case and Dial as No 33
High-Grade Eight Day Weight Movement No 74 Chiming the Westminster every 15 minutes on four "Sonora" patented deep-toned Resonated Bells and striking the hours on a large Cathedral Bell
No. 11617.....Each, $366.70

CHIMING HALL CLOCK No. 3384

Same Case and Dial as No. 33.
Highest-Grade Movement No. 84, chiming the Westminster every 15 minutes on four large Cathedral Bells and striking the hours on a large Cathedral Bell
No. 11618.....Each, $633.35

JACKS AND SUNDRIES FOR FORD CARS.

WEAVER "AUTO TWIN" JACKS.

Showing Jack in Use.

No. 6152—High carbon steel and malleable iron, castings are capable of withstanding weights far in excess of any strain which will ever be applied, ball and roller bearing throughout, raising leverage 400 to 1, 1½ in. steel lifting screws, capacity 4,000 lbs. each, w't per ½ set 48 lbs.,

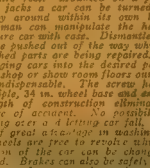
Per Set, two complete jacks, one for each axle★ .....AHJ $30.00

Per ½ Set, single jack, for one axle★ .....AJHJ $18.00

They embody the combined advantages of a turn table, transport, lifting jack and tire rest. Mounted on a pair of these jacks a car can be turned completely around within its own length. One man can manipulate the heaviest pleasure car with ease. Dismantled cars can be pushed out of the way while the detached parts are being repaired. For arranging cars into the desired position upon shop or show room floors our jacks are indispensable. The screw hoisting principle, 34 in. wheel base and extreme strength of construction eliminate all chance of accident. No possibility of turning over a lifting car jack. They are of great advantage in washing cars as wheels are free to revolve while the position of the car can be changed as desired. Brakes can also be safely tested while car is supported on these jacks.

STEWART SPEEDOMETERS.

Special for Ford Cars.



Model 100-G—Rotating dial, 60 mile speedometer, 10,000 mile season odometer, 100 mile trip odometer, can be reset, black enamel case, etched silver dial with 3 in. face, w't each 12 lbs., ... complete ..... AWH $30.00

ONE IN A BOX

★F. O. B. SPRINGFIELD, ILL.

ENDLESS FAN BELTS

No. 6241 No. 6242.

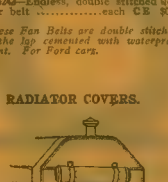
No. 6241—Hand woven from selve twine, impervious to heat and oil, will not scratch, w't each 12 oz.,
each .....DJ $0.70

These belts will outlast several leather belts.

No. 6242—Endless, double stitched weather belt .....each CE $0.60

These Fan Belts are double stitched, and the lap cemented with waterproof cement. For Ford cars.

RADIATOR COVERS.



No. 6244—Ford size, enameled rubber cloth outside, heavy blanket material lining, adjustable curtain in front, fits radiator perfectly, w't per doz. 18 lbs. .....per dozen ADDJ $24.00

This bonnet is made to be left during the cold weather. It is hard to get service out of a motor without proper protection against the cold winds of winter. The curtain may be adjusted according to the temperature, so that only the right amount of space can be left open to keep the radiator from steaming. This is one of the best cooling devices ever shown. By making in large quantities these may be had as cheaply as an improvised cover.

ONE IN A BOX

AUTO LOCKS

No. 6195—Bronze lock and attachment, instantly and securely applied to front axle of Ford car, locks starting crank in engagement with crank shaft—impossible to start motor, length 4 in., complete with instructions and two keys, w't per doz. 9 lbs., per dozen .....AJHJ $18 (0)

ONE IN A BOX

PICK UP PLIERS.

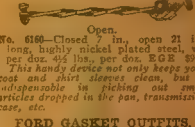
Closed.

Open.

No. 6160—Closed 7 in., open 21 in., long, highly nickel plated steel, w't per doz. 4½ lbs., per doz. EGE $9.60

This handy device not only keeps your coat and shirt sleeves clean, but is indispensable in picking out small articles dropped in the pan, transmission case, etc.

FORD GASKET OUTFITS.



Gasket Sets.

No. 6238—Copper and brass, high grade asbestos, same as smaller gaskets, complete, each.....JFE $1.10

Outfit consists of the following

1 Cylinder Head Gasket,
1 Cylinder Head Outlet Gasket,
1 Cylinder Head Inlet Gasket,
1 Carburetor Flange,
2 Inlet Pipe Gaskets,
4 Exhaust Pipe Outlet Gaskets,
4 Metal Seal Plug Gaskets.

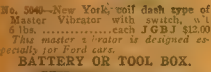
This gasket outfit should be stocked by every repairman as the gaskets, after removing a cylinder head is not adapted to replace with the old gasket when a new perfect one can be had fitted to a fraction of an inch.

SUNDRIES FOR FORD CARS.

MASTER VIBRATORS FOR FORDS.

No. 5040—New York coil dash type of Master Vibrator with switch, w't 6 lbs. .....each JGBJ $12.00
This master vibrator is designed especially for Ford cars.

BATTERY OR TOOL BOX.

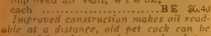


No. 6607—Black enameled pressed steel and double snap fasteners, electric welded, beaded edge around bottom, size 22x9 in., w't 12 lbs., each .....BDJ $4.00
Made to fit on running-boards.

OIL GAUGE FOR FORD CARS.

No. 6737 Turned top, a solid brass [illegible] diameter, fitted [illegible] leather washer packing and improved air vent, w't 8 oz., each .....BE $6.40
Improved construction makes oil readable at a distance, old pet cock can be screwed into bottom of gauge for drawing off oil, and insures the right amount in the crank case at all times.

BUMPERS FOR FORD CARS.



No. 6219—Special double strength steel bar with malleable fittings, finished in black enamel only, w't complete 25 lbs. .....each CEJ $6.00
This bumper has been designed especially for Ford cars which have no projecting frame, it clamps to the spring, is easy to install, and is very serviceable

OIL BOXES FOR FORD CARS.

No. 7130—Per set complete CFJ $6.00

These oil boxes are a proven necessity, are easily attached, and force oil to spread between the leaves of the springs, thereby not only preventing rust which makes your car ride hard, and eventually leads to broken springs, but also prevents the squeaking common to rusty springs. With well oiled springs a car glides along smoothly and quietly, due to the greater flexibility of the springs.. No. 7130 made for Ford cars only.

TIRE HOLDERS FOR FORDS.

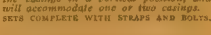
No. 6010—Running board brackets, rubber finish, w't 15 lbs., per set .....BEJ $4.20

Finished in a dull black known as a "rubber finish," very durable and easily attached.

No. 6008—Rear end tire brackets, w't 20 lbs. .....per set CDJ $5.64

These are made of malleable iron, can be attached to the rear cross member of car, are adjustable as to height, hold the casings in a vertical position, and will accommodate one or two casings.
SETS COMPLETE WITH STRAPS AND BOLTS.

FOLDING ROBE RAILS.



No. 6004—Steel rod rail, heavily japanned, 32 in. long, folding brackets, for metal bodies, w't 3 lbs., each .....JGB $1.20

This rail adapted particularly for Ford cars.

JERICHO HORNS FOR FORDS.

No. 6075—Ford Jericho, aluminum exhaust horns, w't complete 4 lbs., each .....DEJ $7.50

The Jericho horn produces a distinctive, penetrating sound heard clearly above the noise of the street. Its warning note demands the right of way without giving offense.

ONE OUTFIT WITH EVERYTHING NECESSARY FOR ATTACHING TO CAR, COMPLETE IN A CARDBOARD BOX.

LONG HAND HORNS.

No. 6074—Black and nickel special for Ford cars, w't each 5 lbs., each .....EDJ $9.00

The horn that is reliable, nothing to get out of order. Projector is one piece without seam, all gears are cut, housing is made of fine heavy grade metal. All parts enclosed and protected from rain, snow or mud. With a few drops of oil now and then will outlast any car built.

ONE IN A BOX.

WRENCHES

WESTCOTT ADJUSTABLE "S"

"S" Nut

Malleable iron handle, forged steel jaws.

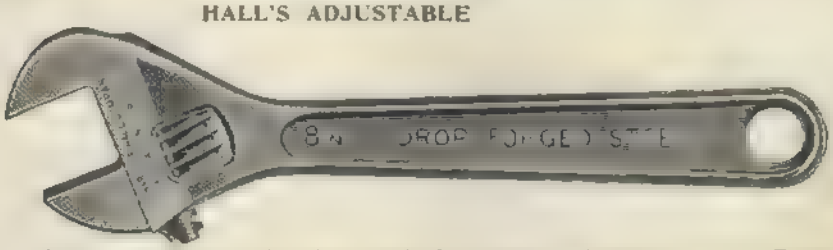
Nos.	76	78	80	82	84
Length, inches	6	8	10	12	14
Opens, inches	¼	1	1⅜	1⅝	2
Weight per dozen, pounds	5½	13	23	37	61
Per dozen	$7 20	9 00	12 00	15 00	21.00

"S" Pipe

Malleable iron handle, forged steel jaws, tool steel pipe grip.

Nos.	86	88	90	92	94
Length, inches	6	8	10	12	14
Holds pipe, inches	⅛ to ⅜	⅜ to ¼	⅜ to 1	⅜ to 1¼	⅜ to 1½
Weight per dozen, pounds	5½	13	23	37	61
Per dozen	$12.00	15.00	18.00	24.00	30.00

HALL'S ADJUSTABLE



Drop forged steel, thin jaws, will fit square or hexagon nuts.

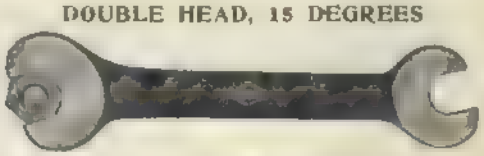
Length, inches	6	8	10
Capacity, inches	¾	1⅛	1⅜
Weight per dozen, pounds	4[illegible]	7[illegible]	12[illegible]
No. 500 Per dozen	$7 80	9 60	12 00

KEYSTONE

Forged steel, hardened and polished. Will operate both square and hexagon nuts.

No. 706 6 inch, capacity ¾ inch, weight per dozen 4 pounds, per dozen	$ 7 80
No. 708 8 inch, capacity 1⅛ inch, weight per dozen 7 pounds per dozen	9 60
No. 710 10 inch, capacity 1⅜ inches, weight per dozen 13 pounds, per dozen	12 00
No. 712 12 inch, capacity 1⅝ inches, weight per dozen 24 pounds, per dozen	15.00

DOUBLE HEAD, 15 DEGREES



No.	Size Bolts U. S. Standard Nuts	Openings Inches	Extreme Length	Weight Per Dozen Pounds	Finished Each
23	[illegible] and ⅜	[illegible] and ½	4	1[illegible]	$0 28
25	[illegible] and ⅞	[illegible] and [illegible]	4⅜	3	36
27	[illegible] and ⅜	[illegible] and [illegible]	5⅜	3	44
29	[illegible] and [illegible]	[illegible] and [illegible]	6⅜	4[illegible]	.52
31	[illegible] and [illegible]	[illegible] and ⅞	7¾	7	.60
33	[illegible] and ⅝	⅞ and [illegible]	8¾	9½	.72
35	[illegible] and ⅝	[illegible] and 1[illegible]	9[illegible]	13[illegible]	88
37	⅝ and ¾	1[illegible] and 1¼	11⅝	23	1.16
39	¾ and ⅞	1¼ and 1[illegible]	13½	37	1 52
41	⅞ and 1	1[illegible] and 1[illegible]	15½	53	2 00

Furnished with regular thickness of heads.
"Unfinished" wrenches have milled openings

DOUBLE HEAD SET SCREW

No.	For Set Screws Size	Extreme Length	Weight Per Dozen Pounds	Finished Each
66	[illegible] and [illegible]	3[illegible]	1	$0.26
68	¾ and [illegible]	4	1½	.30
70	[illegible] and ⅞	5	3	36
72	[illegible] and ½	5[illegible]	4½	.44
74	[illegible] and [illegible]	6[illegible]	5½	.54
76	½ and [illegible]	7[illegible]	8[illegible]	66
78	[illegible] and ⅝	8[illegible]	10[illegible]	80
80	⅝ and [illegible]	10	16[illegible]	96

Furnished with regular thickness of heads.
The openings in all these wrenches will adjust on finishing to one or two sizes larger than given in table.

DOUBLE HEAD S

No.	Size of Openings	Thickness of Heads	Length Over All	Weight Per Dozen Pounds	Finished Each
220	⅜ x [illegible]	¼	4	1½	$0.26
221	[illegible] x [illegible]	[illegible]	5	3	.34
222	¾ x [illegible]	⅜	6	5½	.44
223	⅜ x 1	[illegible]	7	8½	.50
224	[illegible] x 1⅛	[illegible]	8	15	60
225	1[illegible] x 1[illegible]	[illegible]	9	18[illegible]	72

GENERAL PURPOSE

No.	Manufacturers' Standard Nut Size Bolts	Openings Finished	Extreme Length	Thickness of Head Inches	Weight Per Dozen Pounds	Unfinished Each
500	[illegible] x [illegible]	⅜ x [illegible]	6 [illegible] in	[illegible]	2	$0.13
501	¼ x [illegible]	½ x ⅝	7—⅞ in.	¼	3	.17
502	[illegible] x ⅜	⅜ x ¾	8—¼ in.	[illegible]	5	.22
503	¾ x [illegible]	¾ x ⅞	9 [illegible] in	⅜	8	.28
504	[illegible] x ½	⅞ x 1	10- [illegible] in	[illegible]	12	.34

WRENCHES

CAR BUILDERS'

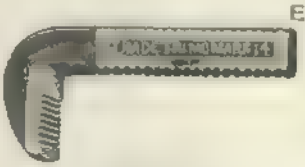
No. 516 Openings 2⅛ and 1⅝ inch for nuts ⅞ and ⅝ inch, length 19 inches, unfinished, weight per dozen 17 pounds . . . each, $0 85
No. 519 Openings 1⅝ and 2⅛ inch for nuts ⅝ and ¾ inch, length 20 inches, unfinished, weight per dozen 44 pounds . . . each, 92
No. 522 Openings 1⅝ and 1⅞ inch for nuts ¾ and ⅞ inch, length 21 inches, unfinished, weight per dozen 48 pounds . . . each, 1 00
No. 525 Openings 1⅞ and 1¾ inch for nuts ⅞ and 1 inch, length 22 inches, unfinished, weight per dozen 60 pounds . . . each, 1 10

PIPE WRENCHES

TRIMO

Length open, inches	6	8	10	14	18	24	36	48
Grips	⅛ in. wire to ½ in. pipe	⅛ in. wire to ¾ in. pipe	⅛ in. wire to 1 in. pipe	¼ in. wire to 1½ in. pipe	¼ in. wire to 2 in. pipe	¼ in. wire to 2½ in. pipe	½ in. pipe to 3½ in. pipe	1 in. pipe to 5 in. pipe
Weight each, pounds	½	¾	1½	2¾	4½	7½	16	24
Each	$2 00	2.00	2.25	3.00	4.00	6 00	12.00	18 00

EXTRA PARTS FOR TRIMO WRENCH



Front Jaws

For wrench, inches	6	8	10	14	18	24	36	48
Weight each, pounds	½	¾	⅞	1	1⅛	2	4⅜	7⅛
Each	$0 75	75	80	1 00	1 33	2 10	4 75	7 25

Frames

For wrench, inches	6	8	10	14	18	24	36	48
Weight each, pounds	¼	½	¾	⅞	1	1½	3½	2
Each	$0 35	35	40	50	55	80	1 30	1.50

Inserted Jaws

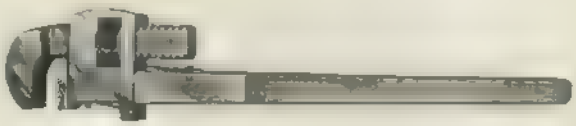
For wrench, inches	6	8	10	14	18	24	36
Weight each, ounces	½	¾	1	2½	3½	5½	9
Each	$0 35	35	45	55	75	75	1 05
Extra Pins	03	03	03	03	04	04	04

Nuts

For wrench, inches	6	8	10	14	18	24	36	48
Weight each, ounces	½	¾	1¼	2½	3½	4½	13	16
Each	$0 11	11	14	17	22	35	55	95
Extra Springs	03	03	03	03	04	04	04	04

STILLSON

6 to 14 Inches, Wood Handle



18 to 48 Inches, Iron Handle

Length open, inches	6	8	10	14	18	24	36	48
Grips	⅛ in wire to 1½ in. pipe	⅛ in. wire to 2½ in. pipe	⅛ in. wire to 1 in. pipe	¼ in. wire to 1½ in. pipe	¼ in. wire to 2 in. pipe	¼ in. wire to 2½ in. pipe	¼ in. pipe to 3½ in. pipe	1 in. pipe to 5 in. pipe
Weight each, pounds	¼	½	1½	2½	4½	7½	15	24
Each	$2.00	2.00	2.25	3.00	4.00	6.00	12 00	18 00

EXTRA PARTS FOR STILLSON WRENCH

Front Jaws

Frames

Nuts

For wrench, inches		6	8	10	14	18	24	36	48
Front Jaws	Weight each, pounds	⅛	¼	½	⅞	1⅛	2⅛	4⅛	6⅞
	Each	$0 75	.75	80	1.00	1.33	2.10	4.75	7.25
Frames	Weight each, pounds	⅛	¼	½	½	½	¾	1½	2
	Each	35	.35	40	50	55	80	1.30	1.50
Nuts	Weight each, ounces	½	1	2	4	4	8	14	16
	Each	.11	.11	.14	.17	.22	.35	.55	.95
Springs		.10	.10	.10	.10	.10	.11	.13	.13
Frame Pins		.03	.03	.04	.04	.04	.04	.05	.05

WESTERN HOLSTERS AND SCABBARDS

When ordering holsters give make, model and length of barrel of revolver to be fitted. When Scabbards are ordered, give length of barrel of the rifle.

MEXICAN PATTERN HOLSTERS

This holster was designed for large frame revolvers, such as Colt and S. & W. 38 or .44 calibre. They are usually carried on the belt.

The very best saddle leather is used and they are one of the best and most serviceable holsters made. Can be supplied to fit revolvers with 4¾, 6 or 7½ inch barrels.

Plain finish, hand sewed

No. M4. For large revolvers with 4½" bbls. Ea. $ .70
No. M6. For large revolvers with 6" bbls. Ea. .75
No. M7. For large revolvers with 7½" bbls. Ea. .90

Embossed finish, rawhide laced

In style and workmanship they are the same as above but are handsomely embossed and instead of being sewn are laced with rawhide thongs.

Mexican Flap

No. M4E. For .38 or .44 calibre revolvers with 4½ inch barrels.....Each $ 2.25
No. M6E. For .38 or .44 calibre revolvers with 6 inch barrels.....Each 2.50
No. M7E. For .38 or .44 calibre revolvers with 7½ inch barrels.....Each 2.75

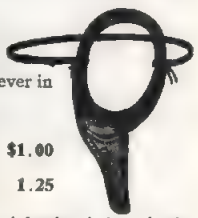
EMBOSSED "FLAP" STYLE HOLSTERS

For the heavier frame revolvers like Colt and S. & W. Are made of heavy saddle leather, finely embossed and laced with rawhide.

No. 38E For large frame revolvers with short barrels.....Each $2.00
No. 44E For large frame revolvers with long barrels.....Each 2.25

SHOULDER HOLSTERS

The loop slips over the shoulder and the strap fastens around the body and the holster hangs just under the arm. A very convenient position and the revolver can be quickly drawn. While it is always easy to reach, is never in the way. Popular for use on horseback.



No. 638. Shoulder holster, made of good quality leather with strap and buckle. Suitable for .38 calibre or small revolvers with 4-inch barrel.....Each $1.00
No. 639. Like No. 638 for .38 and .44 calibre revolvers with 6 or 7½ inch barrels.....Each 1.25

CARBINE SCABBARD

A leather holster is the most convenient manner of carrying a rifle while on horseback. Supplied with sling straps to be attached at the pommel and cantel of saddle. Furnished for 20 or 22 inch carbines and for 24 or 26 inch rifles or shot guns.

No. 53. Heavy russet leather, finely finished with saddle slings.....Each $3.00
No. 10. Best grade cowhide machine sewed and hand embossed.....Each 5.50
No. 10R. Same quality and finish as No. 10, but laced with rawhide thongs.....Each 6.50

Delivery Prepaid in U. S. if Cash is Sent with Order at Above Prices

LEATHER RIFLE CASES

In ordering rifle cases either "full length" or "take down" style, always give make, model and length of barrel of rifle to be fitted.

"FULL LENGTH" COVERS

This leather rifle cover is far more serviceable and affords better protection than one made of canvas or any other material. It is practically waterproof and is a sure safeguard against bumps and knocks. Much more economical, outwearing a number of canvas cases and with an occasional use of an oily rag will look clean and fresh until it wears out.

Made in three grades of leather, brass trimmings with sling and handle, for 20, 22, 24 and 26 inch rifles.

No. **1152.** Soft black grain leather.....Each **$2.25**
No. **052.** Extra heavy russet cowhide..... " **3.50**
No. **52.** Stiff moulded russet leather, flannel lined, with inside flap, hand sewed and finely finished..... " **6.00**

"TAKE DOWN" CASES

Leg-of-Mutton Style

Made of a superior quality good russet sole leather, leg-of-mutton shape, for Stevens, Winchester, Remington, Savage and Marlin take-down rifles. Sewed leather handle, sole leather sling strap, lock, buckle and name plate. When ordering specify make, model and length of barrels.
No. **X6**.....Each **$3.00**

Auto-Loading Rifle Cases

For Remington Auto-loading or Winchester automatic rifles. Heavy brown leather, with square corners, felt lined, brass trimmed, lock; buckle and name plate and leather handle.
No. **160**.....Each **$4.00**

STOCK AND BARREL COVERS

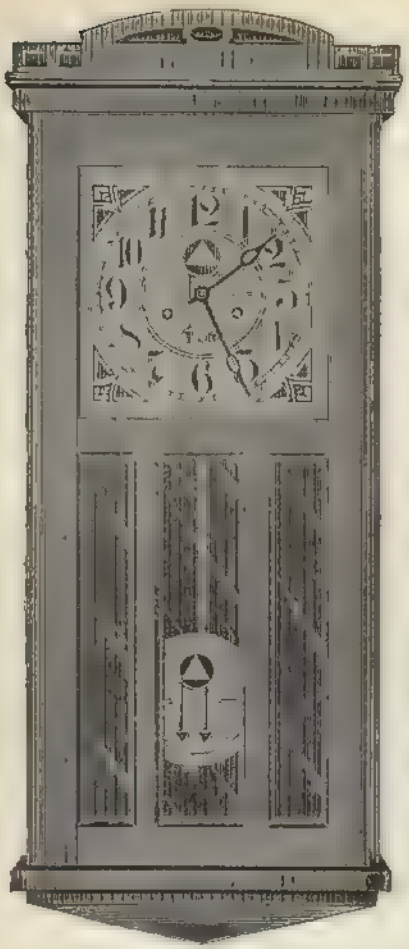
CHAMOIS BARREL AND STOCK COVERS

These are intended simply to slip over the barrel or stock of a rifle or shotgun as a protection against dust or from becoming scratched or marred. It is a good idea to put them on before putting away in the leather case. When ordering state whether for shot gun or rifle.

No. **74.** Barrel cover, green felt, with tape fastening.....**$ .30**
No. **74S.** Stock cover, green felt, with tape fastening..... **.30**
No. **75.** Barrel cover, French chamois skin, with tape fastening..... **1.00**
No **75S.** Stock cover, French chamois skin, with tape fastening..... **1.00**

Delivery Prepaid in U. S. If Cash is Sent with Order at Above Prices

Fine Imported Chime Regulators, Harp Gong, English Cabinet and Quarter-hour Strike Mantel Clocks



PADUA

Westminster Chime regulator, genuine mahogany or oak case; height 30 inches, width, 13 inches; silver-plated dial, 8x8 inches, with raised numerals; bevel bead with bevel glass; full Westminster Chime on five tube-staffs; eight-day quarter-strike movement.

No. 11227 Mahogany . . . Each, $54 20
No. 11228—Oak . . . . . Each, 45 85

HARP GONG

Mahogany case, height 31½ inches; width, 9 inches, 6-inch silver dial, beveled glass, fourteen-day half-hour strike. The harp gong—The half hours and the full hours are all struck by four hammers which strike and fall simultaneously on four steel rods. These rods are tuned so that they sound a full four-note chord and the specially constructed gong standard produces a pleasant and sonorous tone called Harp Gong.

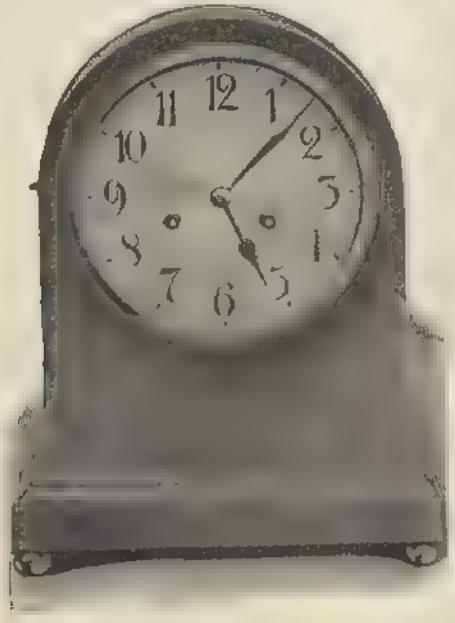
No. 11229 . . . . . Each, $41 70

GENOA

Westminster Chime regulator; genuine mahogany case; height 31½ inches, width, 14 inches; silver plated dial 8½x8½ inches with raised numerals; door inlaid with beveled glass; full Westminster Chime on five tube-staffs; eight-day quarter-strike movement.

No. 11230 . . . . . Each, $61.15

NEWEST DESIGNS ON THE MARKET. GUARANTEED ACCURATE TIMEKEEPERS :: PRICES EACH.



ENGLISH CABINET CLOCK (Junghans)

Genuine mahogany case; height 13 inches, width, 10 inches; silver plated dial, 6 inches, solid brass bezel, beveled glass; fourteen-day half-hour strike gong.

No. 11231 . . . . . Each, $31.70

FOLKESTONE

Quarter-hour strike mantel clock (Junghans); genuine mahogany case, Marqueterie inlay; height, 13 inches; width, 9 inches; silver-plated dial, 5⅛ inches; convex beveled glass; eight-day movement, striking the quarter-hour and hour on two gongs.

No. 11232 . . . . . Each, $32 65

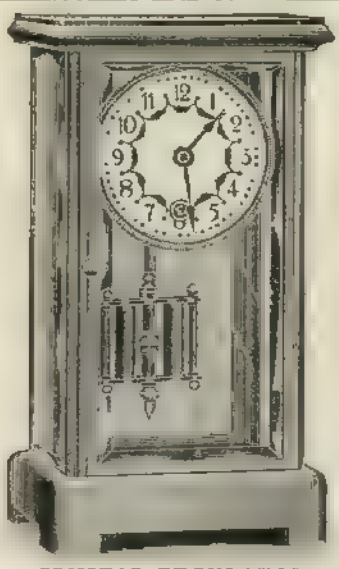
AUSTRIA

Quarter-hour strike mantel clock (Junghans); genuine mahogany case, height, 13 inches, width, 9 inches, silver-plated dial 5½ inches; convex beveled glass; eight-day movement, striking the quarter-hour and hour on two gongs.

No. 11233 . . . . . Each, $36 40

Fine Imported Crystal Regulator, 400-Day and Mantel Clocks

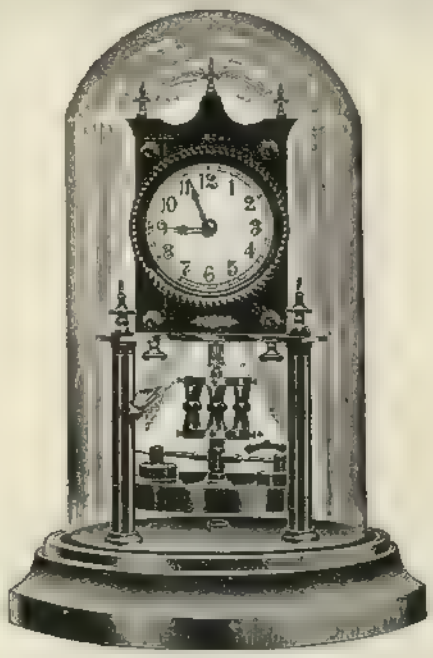
PRICES EACH



CRYSTAL REGULATOR

Polished gold finish case with beveled glasses on four sides. Height, 8¼ inches. Width, 4½ inches. 3 inch fancy porcelain dial. Imitation mercurial pendulum. Eight-day time.

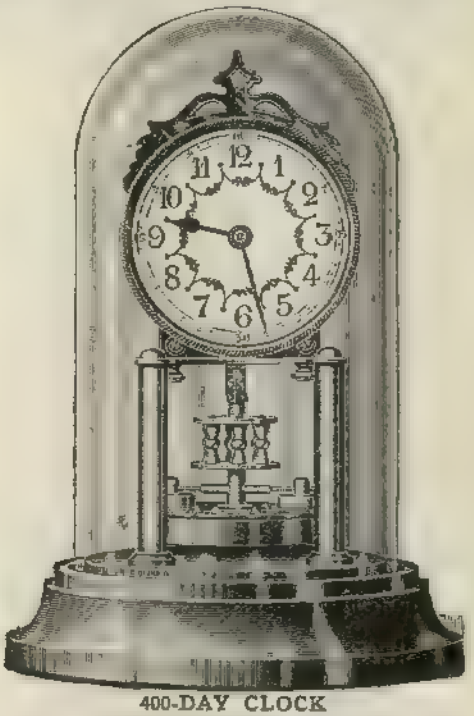
No. 11234.....Each, $20 30



400-DAY CLOCK

Height, 12 inches. Diameter, 7½ inches. Ivory finished dial, 3 inches. Glass globe. Runs 400 days with one winding. New colonial brass base.

No. 11235 ... . Each, $25.00

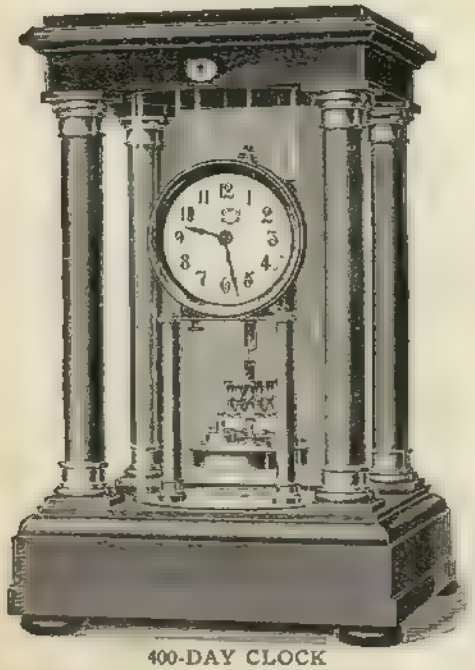


400-DAY CLOCK

Height, 12 inches. Diameter, 7½ inches. Ivory finished fancy French dial, 4 inches. Glass globe. Runs 400 days with one winding. Mahogany base.

No. 11236.....Each, $30.60

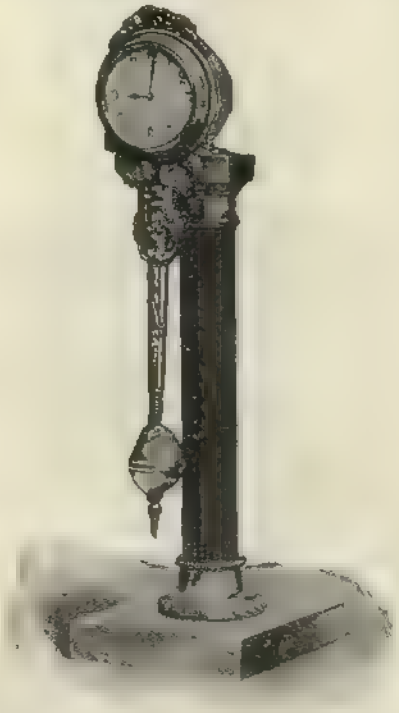
These Clocks are Thoroughly Reliable and will serve as Accurate Timekeepers. Very artistic and pleasing in design.



400-DAY CLOCK

Mahogany case, with gold trimmings on columns. Height, 14¼ inches. Width, 9¾ inches. 4½ inch porcelain dial. Glass cylinder over movement. Dust proof. Runs 400 days with one winding.

No. 11237.....Each, $58.35



SWINGING CLOCK— KOLONNA

Swing Clock, gilt, suspended on jeweled bar. Excellent timekeeper. The clock having no pendulum spring, it is absolutely insensible to atmospheric influence. Wood column and base. Height, 12 inches. Two-inch porcelain dial.

No. 11238.....Each, $11.25

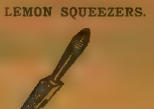
SWINGING CLOCK—ELEGANT

Swing Clock, gilt, suspended on jeweled bar. Excellent timekeeper. The clock having no pendulum spring, it is absolutely insensible to atmospheric influence. Bronze figure Fatima, on ebonized wooden base. Height, 14 inches. Two-inch porcelain dial.

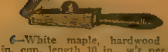
No. 11239.... . ...Each $15.30

LEMON SQUEEZERS AND JUICERS.

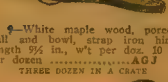
LEMON SQUEEZERS.



No. 6—White maple, hardwood ball, 2 in. cup, length 10 in., w't per doz. 7 lbs.....per dozen **AAE** $1.75
THREE DOZEN IN A CRATE.

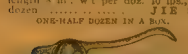


No. 8—White maple wood, porcelain ball and bowl, strap iron hinges, length 9¼ in., w't per doz. 10 lbs., per dozen .....**AGJ** $3.00
THREE DOZEN IN A CRATE.

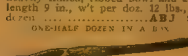


No. 5 Boss, malleable iron, tinned, length 8 in., w't per doz. 10 lbs., per dozen .....**JIE** $1.75
ONE-HALF DOZEN IN A BOX.

No. 15—Improved Boss, malleable iron, heavily tinned, ribbed bowl and cone, length 9 in., w't per doz. 12 lbs., per dozen .....**ABJ** $2.25
ONE-HALF DOZEN IN A BOX.



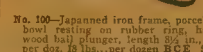
No. 4—Malleable iron, heavily tinned frame and strainer bowl, length 10½ in., w't per doz. 20 lbs., per dozen .....**AGJ** $3.25
ONE-HALF DOZEN IN A BOX.



No. 50—Malleable iron, nickel plated, hardwood ball plunger, length 8 in., w't per doz. 12½ lbs., per dozen .....**ABE** $3.00
ONE-HALF DOZEN IN A BOX.

LEMON SQUEEZERS.

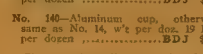
No. 100—Japanned iron frame, porcelain bowl resting on rubber ring, hardwood ball plunger, length 8½ in., w't per doz. 18 lbs...per dozen **BCE** $4.00
ONE-HALF DOZEN IN A BOX.



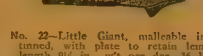
No. 14—Japanned iron frame, large glass cup with ribbed cone, length 10 in., w't per doz. 20 lbs., per dozen .....**BDJ** $5.00

No. 140—Aluminum cup, otherwise same as No. 14, w't per doz. 19 lbs., per dozen .....**BDJ** $5.00

Glass cup is easily removed and can be used separately as a juice extractor.
ONE-HALF DOZEN IN A BOX.



No. 22—Little Giant, malleable iron, tinned, with plate to retain lemon, length 9¼ in., w't per doz. 16 lbs., per dozen .....**DAJ** $8.00
ONE-HALF DOZEN IN A BOX.



No. 10—Drum, japanned malleable iron frame, extra deep porcelain bowl, hardwood combination plunger and strainer, length 9½ in., w't per doz. 25 lbs.....per dozen **CIJ** $8.50
ONE IN A BOX.

LEMON SQUEEZERS.

No. 43—Rotary, nickel plated, highly polished, cast aluminum crusher head and cup, glass juice conveyor, adjustable glass support, w't per doz. 163 lbs. .....per dozen **DAJE** $98.40
ONE IN A BOX.

LEMON JUICERS.

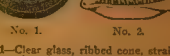
No. 3—Glass, saucer pattern, diameter 4¾ in., w't per doz. 7 lbs., per dozen .....**EAJ** $0.80
Extracts all juice and separates seeds and pulp, is of exceptional value and a leader at 5 cents each.
ONE DOZEN IN A BOX.

LEMON JUICERS.

No. 1. No. 2.

No. 1—Clear glass, ribbed cone, strainer base, for use on tumbler, w't per doz. 4 lbs.....per dozen **JDJ** $1.00
No. 2—Clear glass, ribbed cone, deep saucer, w't per doz. 10 lbs., per dozen .....**JHE** $2.00
NO. 1, ONE-THIRD DOZEN; NO. 2, ONE-HALF DOZEN IN A BOX.

LIME SQUEEZERS.



No. 16—Solid cast aluminum, highly polished, the strainer is cast solid with one of the jaws, length 7 in., opening of jaw 2¼ in., w't per doz. 10 lbs.....per dozen **ACBJ** $2.50
This is a very high grade squeezer.
ONE IN A BOX.

"WILCOX" ROW BOAT MOTOR

The most efficient and durable Row Boat Motor ever built. Easy to sell and fully guaranteed.

Order No.
K4618

Each
$49.00

Introduces this motor in your town. Order a sample, put it into your window and advertise it, and you will find that crowds come to see it.

SPECIFICATIONS:

1—Six in. adjustment up or down, in or out (to fit any boat.)
2—Combination of propeller and rudder steering.
3—Magneto ignition.
4—Grease cup to lubricate upper crank case bearings.
5—Interchangeable phosphor bronze bearings.
6—Muffler or under-water exhaust (optional)
7—Finish—Nickel-plated fly wheel, all brass work highly polished, and other parts enameled (several coats.)
8—Protected spark plug (rubber covered.)
9—Automatic disappearing handle.
10—Neat, compact, light weight.
2 H.-P.
2 Cycle.
Single Cylinder.
Water Cooled
Speed, 175 to 1200 R. P. M.
Bore, 2½ in. Stroke, 2½ in.
Diameter Crank Shaft Bearings, ¾ in.
Diameter, Connecting Rod, ⅝ in.
Carburetor (our own design.)
Bronze Water Pump.
Crank Shaft drop forged, all bearings ground.

K4618—Detachable Row Boat Motor. Wt. 70 lbs. . . . . Each, **$49.00**

GUARANTEE.—We guarantee these machines to develop more than the full rated power, to be free from defects in workmanship and material and to be absolutely as represented in every way. Should any part prove defective, due to any cause other than ordinary wear and tear, abuse or neglect, we agree to replace it free of charge at any time within one year from date of purchase provided that such part is returned to us for examination, transportation charges prepaid, and plainly marked with the shipper's name and address.

ATHLETIC SWEATERS

High grade sweaters for vacation and athletic purposes will be in larger demand than ever this summer. We show below a select line of our finest numbers especially adapted for golf, tennis, motoring and all athletic sports.

YOUTHS' OR YOUNG MEN'S SWEATER COATS.

Special range of sizes for young men from 13 to 18 yrs. Cut longer than the boys' goods.

Sizes, 32 to 36 in. chest.

Ruff Neck—Heavy Jumbo rope stitch, all wool and worsted yarn, rust silver color, facing and bottom, pockets. 1 in box.
A3186—OXFORD GRAY
A3187 MAROON. Each, **$1.95**

RAGLAN SLEEVE SWEATER COATS.

Jumbo Rope Stitch.

These heavy knit high grade coats have become very popular

Sizes: 36 to 46 in. chest

A3071 72

Ruff Neck, Raglan Sleeves—Pure worsted fancy rough yarn, about 3 lbs., full, fashioned, hand set rock silver color, facing and bottom, new raglan sleeves. Hood pockets. 1 in box
A3071—OXFORD GRAY
A3073—MAROON Each, **$5.50**

HIGH GRADE SHAKER KNIT SWEATER COATS.

Popular for athletic purposes as well as outdoor work. Made only of the best all wool and pure worsted yarns.

Sizes: 36 to 44 in. chest.

A3015

V Neck—Heavy all wool yarn, full fashioned, set in bellows pockets. 1 in box
A3048—OXFORD GRAY
A3049—MAROON. Each **$3.00**

WOMEN'S STYLISH SWEATER COAT.

Imported Model Links and Links.

Sizes: 34 to 44 in. bust.

A3358—White, it. blue trim, small ruff neck. 28 in., single breasted, medium wt. finest cheviot yarn, links and links knit, loops and worsted laces, crochet buttons, turnback cuffs, button trim belt back 2 pockets. 1 in box. . . . . Each, **$3.25**

MISSES' ANGORA BRUSH SWEATER COATS.

Sizes. 12 to 18 yrs.—28 to 34 in. bust.

Angora Brush—Heavy all wool yarn, rough angora effect, Byron collar, wide belt, welt loops, turnback cuffs, 2 pockets. 1 in box.
A3228—GOLF GREEN
A3229—American Beauty ROSE
Each, **2.25**

V NECK SCOTCH HEATHER BRUSH SWEATER COAT.

Sizes: 36 to 44 in. chest.

A3077 BROWN Scotch heather mixture, heavy wt., full fashioned hand knit pockets, self shank buttons. 1 in box. . . . . Each **$5.00**

MEN'S TURTLE NECK JERSEYS.

Sizes 36 to 44 in. chest

Finest Pure Worsted Snap button neck, narrow rib, double rolled collar and cuffs, finished seams. 1 in box.
A3103—OXFORD GRAY.
A3104—NAVY
A3105—MAROON Each **$1.20**

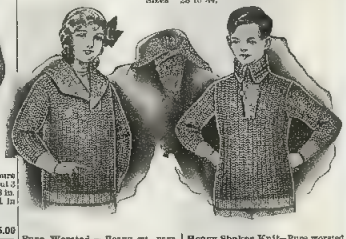
Ruff Neck—Highest grade pure worsted yarn, extra heavy, about 3 lbs., full fashioned, hand knit, 8 in. collar, set in bellows pockets. 1 in box.
A3056—OXFORD GRAY.
A3057—MAROON. . . . . Each, **$5.00**

★ Prices marked with a star (or a ✱) are "special" for the current month—SEE 'STIMULATOR' PAGES

BOYS' AND GIRLS' "3 IN 1" SWEATERS.

The newest—for both boys and girls. Have combination collar which can be worn in ruff neck, Byron or sailor collar style.

Sizes 28 to 34.



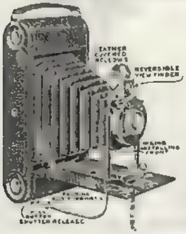
Pure Worsted—Heavy wt. yarn, plain stitch, full fashioned sleeves, contrasting cuffs, bottom and striped collar. 1 in box.
A3144—OXFORD GRAY, maroon trim. . . . . Each, **$1.50**
A3145—MAROON, oxford gray trim collar. . . . . Each **$1.50**

Heavy Shaker Knit—Pure worsted yarn, full fashioned, combination cuffs, bottom and striped collar. 1 in box.
A3146—OXFORD GRAY, maroon trim. . . . . Each **$2.00**
A3147—MAROON oxford gray trim Each, **$2.00**

"SENECA" CAMERAS AND CAMERA ACCESSORIES

A nationally advertised line that your trade will ask for. "Seneca" 1915 models incorporate ALL the standard features of the best makes, and in addition have some improvements confined exclusively to the "Seneca." The prices quoted are equivalent to 33⅓% off the regular list which means 50% PROFIT ON COST FOR YOU!

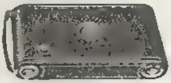
"SENECA" ROLL FILM FOLDING CAMERAS.



High grade instruments, simple to operate, have a reputation for making fine pictures. Cases constructed of seasoned wood and aluminum, combining the greatest strength and lightness, covered with fine seal grained genuine leather, gossamer lined leather bellows, all metal parts polished nickel plated brass, 2 tripod sockets, reversible hooded brilliant view finder with spirit level attached, folding bed supports for horizontal or vertical position. High grade lens and shutter equipment fitted with **push cord shutter release** which gives positive action and is superior to bulb. Back adjustment is simplest made, twist of thumb screw makes back instantly removable.

[illegible] nickel showing [illegible] in place.

[illegible] "Seneca" finder and spirit level showing polished nickel plated brass cover raised.



Camera closed showing new simple back adjustment. Twist of screw makes back instantly removable.

Seneca "Uno" shutter for time, bulb and instantaneous exposures.

Seneca "Trio" shutter for time, bulb and instantaneous exposures from 1/2 second to 1/100 second.

Seneca "Autie" dustproof shutter for time, bulb and instantaneous exposures from 1 full second to 1/100 second.

"Uno" Shutter, R. R. Lens—Rapid rectilinear double lens. "Uno" time, bulb and instantaneous exposure shutter. Retail, $12.00.

K8800—(Mfrs. No. 1). 2¼x3¼ picture. Each, **$8.00**

"Trio" Shutter, R. R. Lens—Rapid rectilinear double lens. Trio shutter with time, bulb and divided second exposure.

K8801—(Mfrs. No. 1A). 2½x4¼ picture. Retail, $14.00. Each, **$9.35**

K8802—(Mfrs. No. 3). 3¼x4¼ picture. Retail, $17.50 Each, **$11.70**

K8803—(Mfrs. No. 3A). 3¼x5½ post card size picture Retail, $20.00. Each, **$13.35**

K8800 "Seneca" takes Vulcan Films K210-6.
K88[illegible] " " K232-6 and K232-12.
K8802 " " " " K236-6 and K236-12.
K8803 " " " " K244-6 and K244-10.

"Autie" Shutter, Rapid Symmetrical Lens—Rapid [illegible]

K8805—(Mfrs. No. 1A Special). 2½x4¼ picture. Retail, $19.00........Each, **$12.65**

K8806—(Mfrs. No. 3 Special). 3¼x4¼ picture. Retail, $22.50 Each **$15.00**

K8804—(Mfrs. No. 3A Special). 3¼x5½ post card size. Retail, $25.00 Each. **$16.65**

Note K88[illegible] "Seneca" takes Vulcan Films K[illegible] 12.
K88[illegible] "Seneca" takes Vulcan Films K236-6 [illegible] 12.
K88[illegible] "Seneca" takes Vulcan Films K244-6 and K244-10

"Trio" Shutter, Anastigmat Lens—Fine [illegible]

K88[illegible]—(Mfrs. No. 3A Special Anastigmat) [illegible] Each, **$16.75**

"Autie" Shutter, Anastigmat Lens—Fine imported fast anastigmat lens. Autie [illegible] proof 5 leaf speed shutter, time, bulb and instantaneous exposure, graduated 1 full second to 1/100 second. A camera that will please both the professional and amateur pho[illegible].

K8809—(Mfrs. No. 3A Special Anastigmat) 3¼x5½ post card size. Retail, $30.00. Each **$20.00**

Note K8808 and K8809 "Seneca" take either Vulcan Films K244-6 or K244-10.

"SCOUT" ROLL FILM FOLDING CAMERAS.

Made by the "Seneca" Camera Co. and by the same workmen that turn out the higher priced "Senecas." Seasoned wood and aluminum body, seal grained imit. leather covered, double catch instantaneous release, aluminum back, gossamer lined genuine leather covered bellows, hinges and metal parts on bed are polished nickel plated brass, folding metal horizontal and vertical position bed supports, reversible hooded brilliant view finder. A high grade camera moderately priced.

Reversible hooded brilliant view finder showing polished nickel plated hood raised

Seneca "Uno" shutter for time, bulb and instantaneous exposures.

"Uno" Shutter, R. R. Lens—Rapid rectilinear double lens, Seneca "Uno" shutter, time, bulb and instantaneous exposure shutter push cord release.

K8790—(Mfrs. No. 2A "Scout"). 2½x4¼ picture. Retail $10.00.............Each. **$6.65**

K8[illegible]—(Mfrs. No. [illegible] "Scout") 3¼x4¼ picture. Retail, $11.00....................Each, **$7.35**

K8[illegible]—(Mfrs. No. 3A "Scout") 3¼x5½ post card size. Retail, $[illegible] Each, **$9.00**

Note K8[illegible] "Scout" takes Vulcan Films K[illegible] K[illegible] 12
K8[illegible] K236-6 and K236-12
K8792 " " " " K244-6 and K244-10

"SCOUT" ROLL FILM BOX CAMERAS.

Made by the "Seneca" Camera Co. and by the same workmen that turn out the higher priced "Senecas." Box constructed entirely of wood and metal, covered with fine seal grained imit. leather, fixed focus, high grade single lens, time and instantaneous exposure shutter graduated shutter diaphragm. 2 view finders for taking pictures in horizontal or vertical position. 1 in [illegible] "Scout" box.

"Scout" roll film box camera open for loading, showing interior construction.

K8810—(Mfrs. No. 2). 2¼x3¼ picture. Retail, $2.00.........................Each. **$1.33**
K8811—(Mfrs. No. 2A). 2½x4¼ picture. Retail, $3.00........................." **2.00**
K8812—(Mfrs. No. 3). 3¼x4¼ picture, brilliant view finders. Retail $4.00..........." **2.67**
K8813—(Mfrs. No. 3A). 3¼x5½ post card size, brilliant view finders. Retail, $5.00. " **3.35**

Note—K8810 "Scout" takes Vulcan Films K240-6
K8811 " " " " K232-6 and K232-12
K8812 " " " " K248-6 and K248-12
K8813 " " " " K250-6 and K250-10

"SENECA" FILM PACK BOX CAMERA—And Film Pack.

K8785—3¼x5½ post card size, seasoned wood and metal box, seal grained genuine leather covered, 3 brilliant view finders, single achromatic fixed focus lens, time and instantaneous shutter, graduated shutter diaphragm, takes pictures in horizontal or vertical position. Retail, $6.00.........................Each, **$3.25**

K8786—"Premo" Film Pack. For K8785 camera, 12 exposures. ....Pack, **80c**

LEATHER CAMERA CASES.

For "Seneca" [illegible] or any other standard make [illegible] folding camera [illegible] black sole leather [illegible] strap handle and fastener.

K8780—For camera taking 2¼x3¼ picture...Each, **$1.25**

K8781—For camera taking 2½x4¼ picture. .Each, **$1.25**

K8782—For camera taking 3¼x4¼ picture....Each, **$1.40**

K8783—For camera taking 3¼x5½ postcard. Each, **$1.65**

"SENECA" DEVELOPING AND PRINTING OUTFIT.

K8845—3¼x5½, can be used for any smaller size. Comprises 2 trays, 1 graduate, 1 lamp, developing and [illegible] printing paper, 1 doz. card mounts, 1 print roller, 1 exposure meter, 1 book of directions for taking, developing and printing pictures. Complete in box. Outfit, **$1.10**

"VULCAN" ROLL FILMS.

Comparative tests have proven this film to be in every respect equal in quality to any on the market. Dependable at all times. Go after the film business and you will find you have a steadily increasing profitable trade.

Size 2¼x3¼—For K8800 Seneca, No. 1 F. P. Kodak, No. 1 Panorama Kodak. ½ doz. rolls in pkg.

K210-6—6 exp. DOZ. ROLLS, **$1.80**

Size 2¼x3¼—For K8810 Box Scout, No. 2 Buster Brown or No. 2 Brownie. ½ doz. rolls in pkg.

K240-6—6 exp. DOZ. ROLLS, **$1.80**

Size 2½x4¼—For K88[illegible] and K8805 Seneca, K87[illegible] K8811 [illegible] Buster Brown [illegible]

K232-6—6 exp. ½ doz. rolls in pkg. DOZ. ROLLS, **$2.28**

K232-12—12 exp. 1 roll in pkg. Roll, **38c**

Size 3¼x4¼—For K8802 and K8806, [illegible] No. 3 Folding Weno, No. 3 Focusing Weno, Nos. 2, 4 and 6 Ansco, No. 3 Special Kodak, Nos. 1 and 2 Stereo Hawk Eye, No. 5 Weno, No. 3 Folding Hawk Eye. 1 roll in pkg.

K236-6—6 exp. ....Roll, **27c**
K236-12—12 " .... " **54c**

Size 3¼x5½—For K8803, K8804, K8808, K8809 and K8828 Seneca, [illegible] Scout 3A F. P. Kodak, Nos. 9 and 10 Ansco, [illegible] flex, 3A Folding Brownie, No. 7 Weno, 3A Folding Hawk Eye. 1 roll in pkg.

K244-6—6 exp. Ro[ll] **30c**
K244-10—10 " " **53c**

Films for Scout Box Cameras.

Size 3¼x4¼—For K8812 Scout. 1 roll in pkg.

K248-6—6 exp. Ro[ll] **27c**
K248-12—12 " **54c**

Size 3¼x5½—For K8813 Scout. 1 roll in pkg.

K250-6—6 exp. Ro[ll] **30c**
K250-10—10 " **53c**

VULCAN FILMS ARE superior to many and equal to the best films on the market. At all times DEPENDABLE

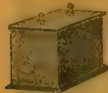
COILS, VIBRATORS AND ROWBOAT MOTORS.

SPARK COILS.

No. 5004—Cico, 1 cylinder, each .....DCJ $7.20

The material used in the construction of a spark coil is most important, and in the manufacture of the Cico no expense has been spared and only the best material used throughout.

Every coil is tested with twice its working voltage before leaving the factory. The windings are of non-absorbent enameled wire. The best coil made at a moderate price.



SPLITDORF, Standard Vibrating.

No. 5005—1 cylinder, each JGBJ $12.00
No. 5006—2 cylinder, each ADDJ 24.00

The standard boat type coils are made up of the very best grade of material and are mounted in nicely finished oak boxes. These coils are especially adapted for stationary and marine engine use. They are equipped with the latest type of Bogert Vibrator and ratchet screw and are guaranteed to give a full fat one-half inch spark on a very small consumption of battery current.

SPLITDORF DASH, Peerless Unit Construction, Mahogany Case.

No. 5008—1 cylinder, each JJJJ $15.00
No. 5009—2 cylinder, each AFBJ 27.00
No. 5010—4 cylinder, each CBDJ 54.00
No. 5011—6 cylinder, each DCBJ 72.00
No. 5012—Units, extra, each .....JGBJ 12.00

Cut-out switches furnished on all the

"MASTER" VIBRATORS.

No. 5040—New York, dash coil type of Master Vibrator, with switch, each .....JGBJ $12.00

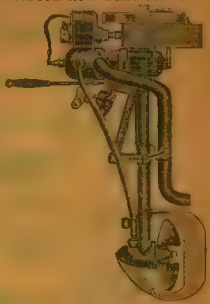
This Master Vibrator is designed especially for Ford Cars, and has proven satisfactory after years of trial. The coil consists of a powerful condenser which is connected in series with the regular coil the whole being inclosed in a neat, compact mahogany case. This coil interrupts the current or becomes the Master Vibrator for all your coils, insuring uniform and perfectly timed ignition from each coil. But one adjustment is necessary, reducing your ignition system to the simplicity of a single cylinder car at the same time increasing speed, power and flexibility.

MAKE AND BREAK COILS.

No. 5085—Square ends, winding, 8 in. long, w't 10 lbs.....each ADE $2.40

These coils are for use with make and break engines, farm engines, traction and all types of stationary engines. Made simple, strong and substantial.

WILCOX ROW BOAT MOTOR.



No. 6600.

No. 6600—Complete, crated for shipment with battery and coil ignition, each .....DFBJ $77.00
Complete instructions with each motor. Equipped with magneto as shown in cut, $30.00 net additional to above price. SHIPPING W't 90 lbs.

Features.

1. Adjustment—to fit any boat.
2. Rudder steering—vibrationless.
3. Bosch Magneto or Battery and Coil Ignition.
4. Grease Cup to lubricate Upper Crank Case Bearings.
5. Interchangeable Phosphor Bronze Bearings.
6. Neat, compact, light weight.
7. Finish—Nickel plated fly wheel, all brass parts highly polished, other parts enameled black.
8. Protected Spark Plug—Rubber Covered
9. Automatic Disappearing Handle.
10. Underwater Exhaust.
11. Angle priming cup for priming.

Specifications.

2 H. P. 2 Cycle. Single Cylinder. Water Cooled. Speed, 175 to 1200 R. P. M. Bore, 2½ in. Stroke, 2¼ in. W't complete, 50 lbs., actual. Diameter Crank Shaft Bearings, ¾ in. Diameter Connecting Rod Bearings, ⅞ in. Carburetor—our own design. Bronze Water Pump. Crank Shaft drop forged, all bearings ground. Capacity of Fuel Tank, 1 gal.

Factory Guarantee.

We guarantee our machines to develop more than the full rated power, to be free from defects in workmanship and material and to be absolutely as represented in every way.

Should any part prove defective due to any cause other than ordinary wear and tear, abuse or neglect, we agree to replace it free of charge at any time within one year from date of purchase, provided such part is returned to us for examination, transportation charges prepaid, and plainly marked with the shipper's name and address.

FOR FACTORY SHIPMENT ONLY.

TELESCOPE RIFLE SIGHTS

WINCHESTER

Adapted to all Makes of Repeating and Single Shot Rifles. When Ordering, Give the Make, Caliber and Model of Rifle.

The Winchester Telescope Rifle Sight represents the combination in an optically and mechanically correct manner of all the features essential in a practical and satisfactory instrument of precision. It also embodies in its design several valuable improvements which correct faults common to other telescope sights. Notable among these new features are the micrometer adjustment of the objective lens which makes it simple and easy to take advantage of the possibilities of this type of sight to the fullest degree, and an aperture reticule furnishing the smallest aperture with the least obstruction of the field of any ever offered.

	Each
Style A—With No. 1 Mounts, 5-Power, 5 ft. 8 in. Field at 100 Feet, 2 in. Relief, Length 15⅞ in., Weight 10 Oz.	**$34.00**
Style B—With No. 1 Mounts, 5-Power, 3 ft. 9 in. Feild at 100 Feet, 3½ in. Relief, Length 15⅞ in., Weight 9¼ Oz.	**23 75**
Style B—With No. 1 Mounts, 4-Power, 3 ft. 8 in. Field at 100 Feet, 3½ in. Relief, Length 14½ in., Weight 9 Oz.	**23.75**
Style B—With No. 1 Mounts, 3-Power, 4 ft. 10 in. Field at 100 Feet, 3½ in. Relief, Length 14⅝ in., Weight 8¾ Oz.	**23.75**

The Winchester Telescope Sight is easily attached to or detached from the barrel of a rifle without changing its adjustment for elevation or windage. The base for the front and rear mounts are of steel, having a dovetail cross section, and are sent out drilled and countersunk and accompanied with screws for attaching them to the barrel. They are intended to be attached to the barrel permanently so as to insure the proper position of the telescope whenever used.

The tube is not drawn, but bored and turned from a solid piece of steel. This gives it great rigidity and consequently a more perfect alignment for the lenses is secured.

These reticules are interchangeable and one can be substituted for another without difficulty. The standard style is the single cross hairs and will be sent on all orders unless a different style is specified. When apertures, double cross hairs, or triangles are ordered, the range of size of bull's-eye for which they are to be used should always be given.

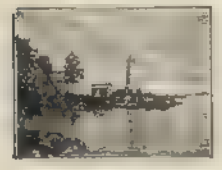
Single Cross Hairs

Double Cross Hairs.

Triangle.

Aperture

Bull's-Eye

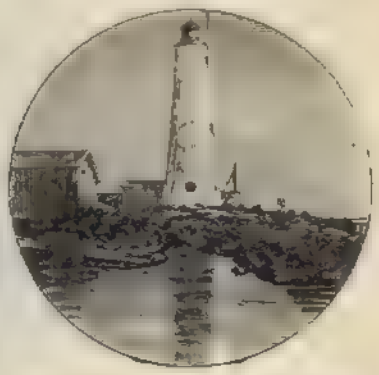


View Seen by the Naked Eye.

As Seen Through Style B 5-Power Telescope, Same Magnification as Style A 5-Power Telescope

As Seen Through Style B 4-Power Telescope

As Seen Through Style B 3-Power Telescope.



Same View Seen Through Style A 5-Power Telescope

To fulfill ideal conditions a reticule is sometimes required having a very small aperture with the least possible obstruction to the field. This requirement is provided for by an aperture reticule made from a single piece of wire and comprising a ring and a twisted stem. A reticle made in this way has a much smaller area than one stamped out of sheet metal, and consequently offers the least possible obstruction to the field. Another decided advantage a reticule of this kind has over one made of sheet metal is the smoothness of its surface. Stamped-out aperture reticules have ragged edges, which under the lenses are so greatly magnified as to be objectionable and an interference with clear vision.

The mountings are light and well shaped without the sacrifice of strength. All of the front mounts are made of nickel steel as is also the No. 2 rear mount. The No. 2 rear mount allows a greater adjustment both for elevation and windage that the No. 1 mount which makes it suitable for long as well as short range use. The limit of utility of the No. 1 rear mount is from 200 to 500 yards according to the caliber of the rifle to which it is attached. The front mount is so designed as to afford the tube a bearing on a convex surface instead of on rivets or screws. This prevents indentation or injury to the tube, so apt to occur in shooting heavy loads where point bearings are used, as has heretofore been done. Contained in the front mount is a bevel-nosed plunger, which engages in a long groove on the under side of the tube and keeps the tube from rotating, but allows it to move longitudinally. This device insures the axis of the tube remaining constant when once adjusted.

BARREL REFLECTORS

For Examining the Inside of Winchester Rifle Barrels.

	Each
No. 1W—Made in Different Sizes, When Ordering Specify Model of Rifle	**$0.50**

Directions—Withdraw the breech block. Place the glass on top of the carrier, the mirror toward the chamber. Hold the muzzle of the gun toward the light, and the inside of the barrel will be seen reflected in the mirror.

METALLIC CARTRIDGES

WINCHESTER OR REMINGTON—U. M. C. MAKE

RIM FIRE

Per 1000

B. B. Caps—Round Ball, Lesmok Powder.....$3 50

Adapted to Flobert and Other .22 Caliber Rim Fire Single Shot Rifles

100 in a Box, 10,000 in a Case; Weight Per Case 45 Lbs.

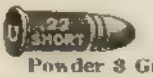
Per 1000

B. B. Caps—Conical Ball, Lesmok Powder.....$4 40

B. B. Caps—Conical Ball, Smokeless Powder, Greaseless 4.40

Adapted to Flobert and Other Gallery Rifles

100 in a Box, 10,000 in a Case; Weight Per Case 56 Lbs



Powder 3 Grains, Bullet 30 Grains.

Per 1000

22 Short, Lesmok Powder $5 00
22 Short, Smokeless Powder, Greaseless Bullet.. 5 35
22 Short, Smokeless Powder, Greased Bullet... 5 35
22 Short, Spotlight, Lesmok Powder... ... . 5 85
22 Short, Spotlight, Smokeless Powder. . . . 0 10

Hollow Point, Bullet 28 Grains. Per 1000

22 Short, Lesmok Powder $5.50
22 Short, Smokeless Powder 5.75

Adapted to Revolvers and Rifles of this Caliber.

50 in a Box, 10,000 in a Case; Weight Per Case 65 Lbs

Powder 3 Grains, Bullet 35 Grains.

Per 1000

22 Long, Lesmok Powder $6.00
22 Long, Smokeless Powder, Greaseless..... 7.50
22 Long, Smokeless Powder, Greased..... 7.50

Hollow Point, Bullet 32 Grains.

22 Long, Lesmok Powder. $6 50

Adapted to Various Rifles, Revolvers and Pistols of this Caliber.

50 in a Box, 10,000 in a Case; Weight Per Case 80 Lbs

Powder 5 Grains, Bullet 40 Grains.

Per 1000

22 Long Rifle, Lesmok Powder $7 00
22 Long Rifle, Smokeless Powder, Greaseless. . 8 75
22 Long Rifle, Smokeless Powder, Greased..... 8 75

Hollow Point, Bullet 35 Grains. Per 1000

22 Long Rifle, Lesmok Powder.....$7 60

Adapted to Various Rifles and Revolvers of this Caliber.

50 in a Box, 10,000 in a Case; Weight Per Case 88 Lbs.

Powder 7 Grains, Bullet 45 Grains.

Per 1000

.22 W. R. F.—Lesmok Powder $10.50
22 W. R. F.—Smokeless Powder, Greaseless .. 11 75
.22 W. R. F.—Smokeless Powder, Greased . 11 75

Adapted to Winchester Model 1890, Single Shot Rifles and Colt Revolvers.

50 in a Box, 5,000 in a Case; Weight Per Case 58 Lbs.

Powder, 7 Grains; Bullet, 40 Grains.

Per 1000

22 Extra Long, Lesmok Powder.....$10.50

Adapted to Various Rifles and S. & W. Revolvers.

50 in a Box, 10,000 in a Case; Weight Per Case 92 Lbs.

Bullet, 45 Grains.

Per 1000

.22 Win. Automatic, Smokeless Powder, Greaseless $11.75

Adapted to Winchester Model 1903 Rifles.

.22 Remington Autoloading, Smokeless Powder, Greaseless 11.75

Adapted to Remington-U. M. C. Autoloading Rifles.

50 in a Box, 5,000 in a Case; Weight Per Case 53 Lbs

Powder 11 Grains, Bullet 65 Grains.

Per 1000

25 Stevens, Black Powder..... .$16 50

Adapted to Winchester Single Shot and Stevens Single Shot and Marlin Repeating Rifles.

50 in a Box, 2,000 in a Case; Weight Per Case 28 Lbs.

Powder 6 Grains, Bullet 55 Grains.

Per 1000

.30 Short, Black Powder. $10 50

Adapted to Colts, Sharp's No. 2, Standard O. K., Stevens Single Shot, and other Pistols and Rifles.

50 in a Box, 5,000 in a Case; Weight Per Case 62 Lbs.

Powder 9 Grains, Bullet 80 Grains.

Per 1000

32 Short, Black Powder.....$11.75

Adapted to Revolvers, Rifles and Pistols of this Caliber.

Weight Per Case 85 Pounds.

Powder 13 Grains, Bullet 90 Grains. Per 1000

.32 Long—Black Powder $13.50

Adapted to Revolvers, Rifles and Pistols of this Caliber.

Weight Per Case 100 Pounds.

50 in a Box, 5,000 in a Case.

Powder 18 Grains, Bullet 130 Grains.

Per 1000

38 Short, Black Powder.....$18.75

Weight Per Case 85 Pounds.

Powder 21 Grains, Bullet 148 Grains. Per 1000

38 Long, Black Powder.....$21.00

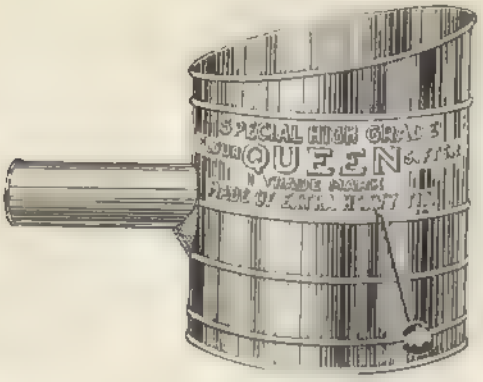
Adapted to Revolvers and Single Shot Rifles of this Caliber.

Weight Per Case 95 Pounds.

50 in a Box, 3,000 in a Case.

FLOUR SIFTERS

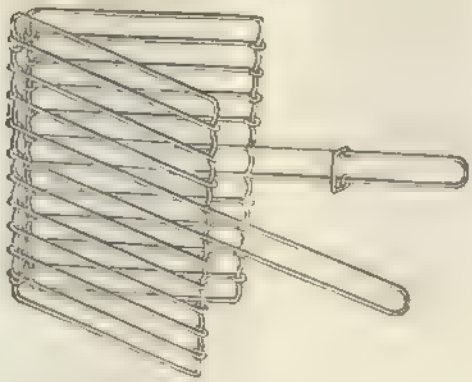
QUEEN



Queen Flour Sifter, straight handle with crank on side, weight per dozen 10 pounds, per dozen.....$...
One dozen in a box

BROILERS

WIRE



Size, inches	9 x 10	9 x 12	9 x 14
Weight per dozen, pounds	7	8	9

No. 11 Wire, per dozen..... $....
Half dozen in a bundle

TEA STRAINERS

WIRE HANDLE

No. 1 2 inches diameter, wire handle, weight per dozen ½ pound, per dozen..... $. ..

WOOD HANDLE

No. 1 2½ inches diameter, wood handle, weight per dozen, 1 pound, per dozen..... $

EGG BEATERS

DOVER

No. 10 Steel handle, family size, weight per dozen 6 pounds, per dozen $2.00

SURPRISE

Retinned wire, weight per dozen ½ pound, per dozen.... $0 60

STAR

Star one hand egg and cream beater, weight per dozen 6 pounds, per dozen $1.70

SPOON

Spoon egg beaters, tinned wire, weight per dozen 1½ pounds, per dozen .....$

POTATO MASHER

No. 2 Heavy tinned wire, weight per dozen 4 pounds Per dozen .....$

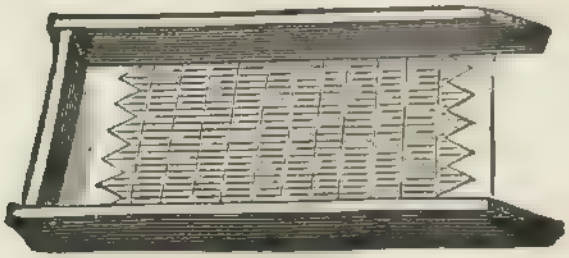
VEGETABLE PRESS

Hennis pattern, malleable iron frame, tinned, weight per dozen 9 pounds, per dozen.....

BRASS KETTLES

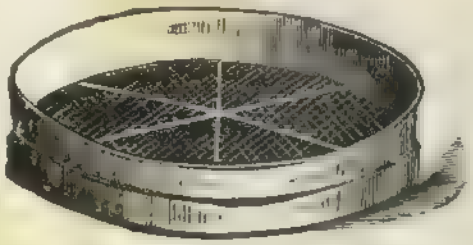
apacity	Diam at Top Inches	Diam at Bottom Inches	Depth Inches	Weight, each Pounds	Per Dozen
8	10	7	7	3	$ 18 00
10	11	7	8	3	21 00
12	12	8	9	4	24 00
16	13	9	9	5	30 00
20	15	10	10	6	39 00
24	16	11	11	7	45 00
32	17	11	11	9	54 00
40	18	12	12	11	68 00
48	20	13	13	13	82 80
56	20	13	14	16	108 00
72	22	14	15	20	130 00
100	24	16	17	27	180 00

SAND SCREENS



Regular Pattern, 2×3½ feet, weight each 26 pounds, each, $.

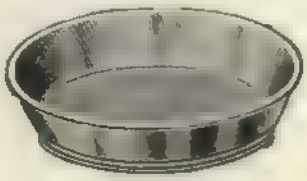
RIDDLES



Steel wire Farmers' Riddles, 5, 6 and 8 mesh, weight per dozen 20 pounds, per dozen.....$5.50

One dozen in a bundle

FLOUR SIEVES

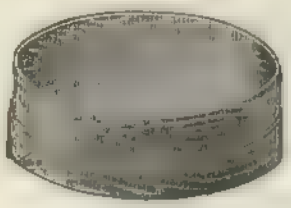


Tin Rim

Assorted, 14 to 16 mesh, wire brace across bottom, weight per dozen 7 pounds, per dozen $3 00

Assorted, 16 to 18 mesh, wire brace across bottom, weight per dozen 7 pounds, per dozen 3 25

One dozen in a package



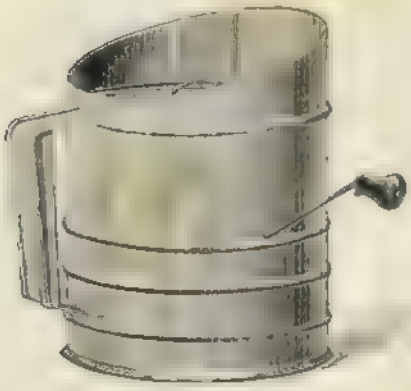
Wood Rim

Assorted, 14 to 16 mesh, wire brace across bottom, weight per dozen 10 pounds, per dozen $1.50

Assorted, 16 to 18 mesh, wire brace across bottom, weight per dozen 10 pounds, per dozen . 1 60

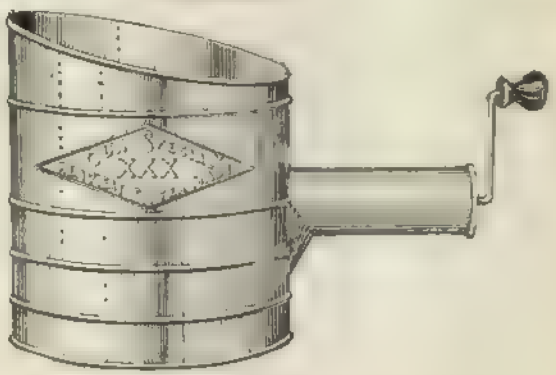
FLOUR SIFTERS

RIVAL



Rival Rotary Flour Sifter, made of heavy tin, can be taken apart to clean, weight per dozen 10 pounds, per dozen .$.....

CHEROKEE

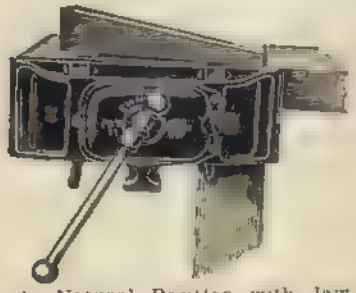


Cherokee Rotary Flour Sifter, made of very heavy selected tin, can be taken apart to clean, weight per dozen 15 pounds, per dozen.....$

One dozen in a box

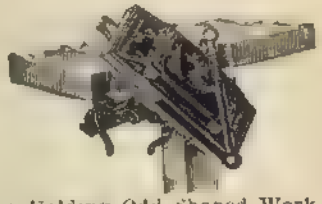
WOODWORKERS' VISES

EMMERT UNIVERSAL



Vise in Natural Position with Jaw at Angle to Hold Tapered Work.

Vise Reversed to Hold Work Above the Bench.



Vise Holding Odd Shaped Work in a Form at an Angle.

	Each
No. 1—7x18½ in. Jaws, Open 14 in., Weight Each 86 Lbs.	**$15.00**
No. 2—5x14 in. Jaws, Open 12 in., Weight Each 56 Lbs.	**12.50**

The Emmert Universal Vise has seven pairs of jaws so that it is adapted to grasp any kind of work without regard to irregularity of form The workman who has the use of one of these vises is as thoroughly equipped as though he had a dozen different vises in as many different positions without being disturbed and encumbered with the presence of a lot of useless tools

COMBINATION PIPE VISES

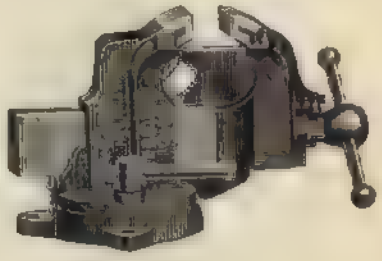
PARKERS'

New Top Swivel Base.

A Combination Vise that is strong and compact. Supplies the requirements for a serviceable low priced tool.

Nos.	7	8
Jaws, Inches	3⅝	4⅛
Jaws Open, Inches	5	6
Holds Pipe, Inches	2	3
Weight Each, Lbs.	39	57
Each	$.....	.....

PARKER'S IMPROVED



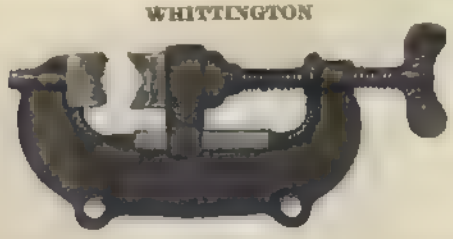
Swivel Base, with Patent Tightening Stud.

Renewable Polished Steel Faces Milled and Fitted to the Jaws. Tempered Steel Pipe Jaws.

Nos.	87	88	288½	289½
Width Jaws, Inches.	3⅝	4⅛	4¾	5⅜
Jaws Open, Inches.	4¾	6	6½	9½
Holds Pipe, Inches.	2	3	4	6
Weight Each, Lbs.	48	70	118	155
Each	$.....	.....	.....	...

PIPE VISES

WHITTINGTON



Operates in any position and can be attached anywhere Will hold either right or left hand from the one setting. Has a ratchet action when required Can be used as a wrench. **Will firmly grip the pipe without any pressure from the screw, the screw simply adjusts the jaws to the size of the pipe** The pipe cannot slip.

	Each
No. 1—Holds ⅛ to 1½ in Pipe	**$3 50**
No. 2—Holds ⅛ to 2 in Pipe	**3 50**

Weight Each 4 Pounds.

VULCAN CHAIN

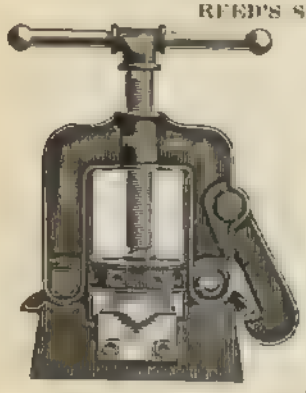
Wrought Steel, Drop Forged Jaws of Saw Tempered Steel for File Sharpening, Hand Made Steel Chain

	Each
No. 1V—Holds ⅛ to 2 in. Pipe, Weight 4 Lbs.	**$ 3.50**
No. 2V Holds ⅛ to 4 in Pipe, Weight 10 Lbs.	**7.50**
No. 3V—Holds ⅝ to 8 in. Pipe, Weight 30 Lbs.	**18 00**

Unbreakable, compact, rapid in action and positive in gripping pipe.

PIPE VISES

REED'S SELF-LOCKING



Hinged Malleable Iron Frame, Milled Tool Steel Jaws, Carefully Hardened and Tempered in Oil.

	Each
No. 71 Holds ⅛ to 2½ in. Pipe, Wt 10 Lbs.	$10.00
No. 72—Holds ⅛ to 3½ in. Pipe, Wt. 16 Lbs.	15.00
No. 73—Holds ⅛ to 4½ in. Pipe, Wt. 25 Lbs.	25.00

ERIE KIT

Malleable Iron and Steel.

Hinged Frame with Hook Lock and Bracket for Clamping to Bench or Table.

Requires no Screws or Bolts

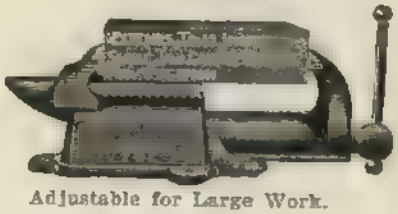
The Strongest and Most Convenient Kit Vise Made.

	Each
No. OK—Holds ⅛ to 3 in. Pipe, Weight Each 8 Lbs	$10 00

COMBINATION VISES AND ANVILS

DIAMOND

As a Pipe Vise.



Adjustable for Large Work.

Cut Showing Drill Attachment Attached to Vise.

	Each
No. 50 4 in. Steel Faced Jaws Opening 12 in., Green Painted Cast Iron Body, 3x7 in. Hardened and Polished Iron Anvil Face ¾x10½ in. Steel Screw, Small Jaw Can be Quickly Set at Any Position Holds 2 in. Pipe, without Drill Attachment, Weight Each Boxed 42 Lbs.	$4 50
No. 55—Diamond Drill Attachment, Cast Iron Painted Green, Polished Head Takes Square Shank Bit Stock Drills up to ¾ in., Weight Each Boxed 15 Lbs.	2 50

Well made and carefully planned for a wide range of work. It is a first-class Pipe Vise and the Adjustable Jaw enables it to be used for a variety of purposes

One in a Box.

STEWART HANDY WORKER

	Each
Stewart—Consists of a Powerful Vise with 4 in. Jaws Opening 4½ in., a Pipe Vise which Will Grip Pipe up to 1½ in. Diameter, Strong Anvil, Steel Cutting Hardie, Drill Press which can be Operated at Two Speeds, Two Drills, a Rest to Hold the Job to the Drill and a 5x1 in. Corundum Grinding Wheel with Three Speeds: Direct, 4 to 1 and 16 to 1, Weight Complete Boxed 100 Lbs.	$17.50

Combines several hand working tools—tools you have occasion to use every day. Just the thing for any workshop

BLACKSMITHS' VISES

SOLID BOX

Wrought Steel, Front and Back Jaws Forged from One Piece of Special Ingot Steel, Crucible Tool Steel Jaw Facings, Accurately Ground and Polished.

The Bench Plate is a high grade forging instead of the usual plate of malleable iron, and the ring and washer are a forging

The unfinished parts are given a good coat of high grade flat black paint, polished parts are protected in shipping by burlap.

Nos.	30	35	40	45	50
Weight Each, Lbs.	30	35	40	45	50
Length of Jaws, Inches	3⅜	3¾	4	4¼	4½
Depth from Top of Jaw to Top of Box, In.	3¼	3¼	3⅛	3⅜	4¼
Opens, Inches	3¾	3¾	4	4¼	4½
Each	$11.00	10.00	10.50	11.00	11 50

Nos.	60	70	80	90	100
Weight Each, Lbs.	60	70	80	90	100
Length of Jaws, Inches	5	5¼	5½	5⅝	6
Depth from Top of Jaw to Top of Box, In.	4½	4⅝	5	5¼	5½
Opens, Inches	5	5¼	5½	5⅝	6
Each	$13.00	15.00	17.50	20.00	22.00

WOOD BOTTOM PLANES

BAILEY ADJUSTABLE

Smooth

No. 22 8 inch, 1¾ inch cutter, weight each 2½ pounds, each $2.00
No. 23 9 inch, 1¾ inch cutter, weight each 2¾ pounds, each 2.00
No. 24 9 inch, 2 inch cutter, weight each 3 pounds, each 2.00

Handled Smooth

No. 35 9 inch, 2 inch cutter, weight each 3¼ pounds, each $2 50

Jack and Fore

No. 26 Jack, 15 inch, 2 inch cutter, weight each 4 pounds, each $2.25
No. 27 Jack, 15 inch, 2⅜ inch cutter, weight each 4¼ pounds, each 2.50
No. 28 Fore, 18 inch, 2⅜ inch cutter, weight each 5½ pounds, each 2.75
No. 29 Fore, 20 inch, 2⅜ inch cutter, weight each 5¾ pounds, each 2.75

Jointer

No. 30 22 inch, 2⅜ inch cutter, weight each 6 pounds, each $3.00
No. 31 24 inch, 2⅜ inch cutter, weight each 6½ pounds, each 3.00
No. 32 26 inch, 2⅝ inch cutter, weight each 7 pounds each 3 25
No. 33 28 inch, 2⅝ inch cutter, weight each 7½ pounds each 3.25

STANLEY ADJUSTABLE

Smooth

No. 122 8 inch, 1¾ inch cutter, weight each 2½ pounds, each $1.50

Handled Smooth

No. 135 10 inch, 2⅛ inch cutter, weight each 2 pounds each $2.00

Jack, Fore and Jointer

No. 127 Jack, 15 inch, 2¼ inch cutter, weight each 4¼ pounds. ..... each, $2.00
No. 129 Fore, 20 inch, 2⅜ inch cutter, weight each 5¾ pounds... ..... each, 2.25
No. 132 Jointer, 26 inch, 2⅝ inch cutter, weight each 7¼ pounds.... ..... each, 2.50

SCREWDRIVERS

Hercules Knife Handle, Waterproof Finish

Length of blade, inches	4	5	6	8	10
Weight per dozen, pounds	5	6	7	9	12
Per dozen	$4 25	5 00	6 00	8 00	10 00

Challenge, Special Steel Blade, Red Fluted Handle

Length of blade, inches	2½	3	4	5	6	8	10
Weight per dozen, pounds	1	2	3	4¾	5	7	8
No. 32 Per dozen	$2 25	2 50	3 00	3 50	4 00	5 50	7 00

Forged Steel Blade, Heavy Steel Ferrule, Red Fluted Handle

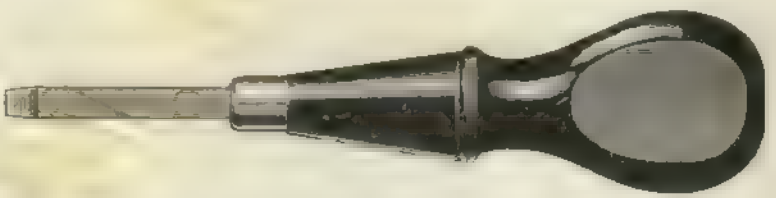
Length of blade, inches	2	3	4	5	6	8
Weight per dozen, pounds	1½	1¾	2¼	3½	4	6¼
No. 4000 Per dozen	$2.00	2 50	3 00	3 50	4.00	5 50

All above, one half dozen in a box

Forged Blade, Nickel Plated Ferrule, Varnished Cherry Handle

Length of blade, inches	2	3	4	5	6	8
Weight per dozen, pounds	1	1½	2	3	4	5
"Lead All" Per dozen	$ 8	2 00	2 5	3 00	3.50	4 75

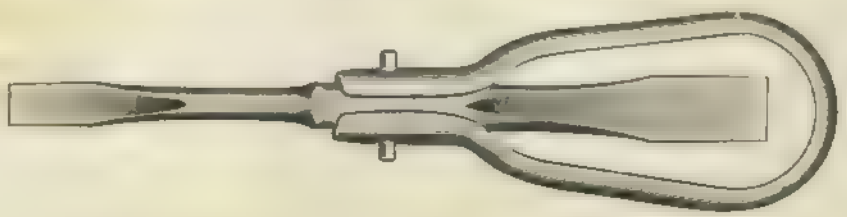
[illegible], one half dozen in a box



Sewing Machine, Steel Blade, Black Enameled Handle, Nickel Plated Ferrule

No. 25 1¼ inch blade weight per dozen ¼ pound ..... per dozen, $0 65

One dozen in a box



Reversible Pocket Screw Driver, Spring Steel, Nickel Plated

No. 59 Length 5 inches ..... per dozen, $4.00

One dozen in a box

WOOD SPLIT PULLEYS

Standard Price List, December 1, 1908.

Superseding all Previous Lists.

WIDTH OF FACE

Diam.	3	4	5	6	8	10	12	14	16	18	20	22	24
4	$2.80	$2.90	$3.10	$3.30	$3.70	*$4.10	$4.80						
5	2.85	2.95	3.20	3.40	3.85	*4.30	4.75						
6	2.90	3.00	3.25	3.50	4.00	*4.50	*5.00						
7	2.95	3.05	3.35	3.60	*4.15	*4.70	*5.25	$5.80					
8	3.00	3.10	*3.40	3.70	4.30	4.90	5.50	*6.10					
9	3.10	3.25	*3.60	*3.80	*4.55	*5.20	*5.85	*6.50					
10	*3.25	3.40	3.75	4.10	4.80	5.50	6.20	*6.90	*$7.60				
11	*3.50	*3.70	*4.10	*4.50	*5.30	*6.10	6.90	*7.70	*8.50				
12	*3.75	4.00	4.45	4.90	5.80	6.70	7.60	*8.50	*9.40	$10.30			
13		4.30	*4.80	5.30	*6.30	*7.30	8.30	*9.30	*10.30	*11.30			
14		4.60	*5.15	5.70	6.80	7.90	9.00	*10.00	*11.20	*12.30	*$13.40		
15		4.90	*5.50	*6.10	*7.30	*8.50	*9.70	*10.80	*12.10	*13.30	*14.50		
16		5.20	*5.85	6.50	7.80	9.10	10.40	*11.70	*13.00	*14.30	*15.60	*$16.90	
17		5.50	*6.20	*6.90	*8.30	*9.70	11.10	12.50	*13.90	*15.30	*16.70	*18.10	
18		5.80	*6.55	7.30	8.80	10.30	11.80	*13.30	*14.80	*16.30	*17.80	*19.30	*$20.80
19		*6.10	*6.90	*7.70	*9.30	*11.00	12.50	*14.10	15.70	*17.30	*18.90	*20.50	*22.10
20		6.40	*7.25	8.10	9.80	11.50	13.20	*14.90	*16.60	*18.30	*20.00	*21.70	*23.40
22		7.00	*7.95	8.90	10.80	12.70	14.60	16.50	*18.40	*20.30	*22.20	*24.10	*26.00
24		7.70	*8.80	9.90	12.10	14.30	16.50	*18.70	*20.90	*23.10	*25.30	*27.50	*29.70
26		8.40	*9.65	10.90	13.40	15.90	18.40	*20.90	*23.40	*25.90	*28.40	*30.90	*33.40
28		9.10	*10.50	11.90	14.70	17.50	20.30	*23.10	*25.90	*28.70	*31.50	*34.30	*37.10
30		9.80	*11.35	12.90	16.00	19.10	22.20	25.30	*28.40	*31.50	*34.60	*37.70	*40.80
32		10.50	*12.20	13.90	17.30	20.70	24.10	*27.50	*30.90	*34.30	*37.70	*41.10	*44.50
34		11.30	*13.15	15.00	18.70	22.40	26.10	*29.80	*33.50	*37.20	*40.90	*44.60	*48.30
36		12.10	*14.10	16.10	20.10	24.10	28.10	*32.10	*36.10	*40.10	*44.10	*48.10	*52.10
38				17.20	21.50	25.80	30.10	*34.40	*38.70	*43.00	*47.30	*51.60	*55.90
40				18.30	22.90	27.50	32.10	*36.70	*41.30	*45.90	*50.50	*55.10	*59.70
42				19.40	24.20	29.10	34.00	38.80	*43.60	*48.40	*53.20	*58.00	*62.80
44				20.50	25.60	31.20	36.70	*41.90	*46.90	*51.80	*56.80	*61.90	*66.90
46				*22.30	*28.10	33.80	39.70	*45.50	*51.30	*57.10	*62.90	*68.70	*74.50
48				*23.80	*30.00	36.20	42.40	*48.60	*54.80	*61.00	*67.20	*73.40	*79.60
50				*25.40	*32.00	*38.60	45.20	*51.80	*58.40	*65.00	*71.60	*78.20	*84.80
52				*27.10	*34.10	41.10	48.10	*55.10	*62.10	*69.10	*76.10	*83.10	*90.10
54				*28.90	*36.30	43.70	51.10	*58.50	*65.90	*73.30	*80.70	*88.10	*95.50
56				*30.80	*38.60	46.40	54.30	*62.10	*69.80	*77.60	*85.40	*93.20	*101.00
58				*32.80	*41.00	49.20	57.40	*65.60	*73.80	*82.00	*90.20	*98.40	*106.60
60				*34.90	*43.50	52.10	60.70	*69.30	*77.90	*86.50	*95.10	*103.70	*112.30
62				*37.10	*46.10	55.10	*64.0	*73.10	*82.10	*91.10	*1.0.10	*109.10	*118.10
64				*39.50	*48.80	*58.20	67.90	*77.00	*86.40	*95.80	*1.5.20	*114.60	*124.00
66				*41.90	*51.80	*61.70	*71.60	*81.50	*91.40	*101.30	*111.20	*121.10	*131.00
68				*44.50	*54.90	*65.50	75.70	*86.10	*96.50	*106.90	*117.30	*127.70	*138.10
70				47.20	*58.10	*69.00	79.80	*90.80	*101.70	*112.60	*123.50	*134.40	*145.30
72				*50.00	*61.40	*72.80	*84.20	*95.60	*107.00	*118.40	*129.8	*141.20	*152.60
78					*71.90	*84.80	*97.70	110.60	*123.50	*136.40	*149.30	*162.20	*175.10
84					*83.30	*97.70	*112.10	*126.50	*140.90	*155.30	*169.70	*184.10	*198.50
90					*95.60	*111.50	*127.40	143.30	*159.20	*175.10	*191.00	*206.90	*222.80
96					*109.00	*126.50	*144.00	161.50	*179.40	*196.50	*214.0	*231.50	*249.00
102					*123.70	*143.00	*162.30	181.60	*206.90	*220.20	*239.50	*258.80	*278.10
108					*139.50	*160.40	*181.50	*202.60	*223.70	*244.8	*265.91	*287.0	*308.10
114					*155.80	*178.70	*201.60	*224.50	*247.40	*270.3	*293.20	*316.10	*339.00
120					*173.20	*197.90	*222.60	*247.30	*272.00	*296.70	*321.40	*346.0	*371.80

WOOD BUSHINGS

3 inches or less of same bore	$0.50
More than 10 inches of same bore	.05 per inch.

*Not carried in stock; can be shipped promptly from factory

DETACHABLE LINK CHAIN

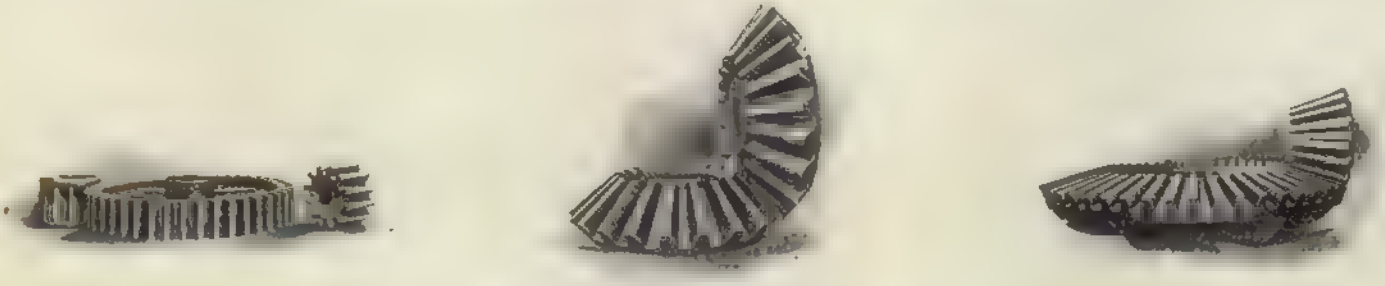
LIST PRICES—WORKING STRENGTH—SPEEDS

Chain No.	Price Chain Per Foot	Couplers Per Pair	Approx. Links in 10 Feet	WORKING STRENGTHS ‡—FOR SPEEDS IN FEET PER MINUTE: 150 Ft.	200 Ft.	300 Ft.	400 Ft.	500 Ft.	600 Ft.	700 Ft.
25	$0.13	$0.13	133	120	114	102	90	78	66	54
32	13	16	104	185	176	157	139	120	102	83
*33	15	15	86	200	190	170	150	130	110	90
*34	15	15	86	215	204	183	161	140	118	97
35	13	18	74	200	190	170	150	130	110	90
41	15	19	88	250	238	213	188	163	138	113
45	13	18	74	265	252	225	199	172	146	119
52	18	16	80	385	366	327	289	250	212	173
†55	16	16	74	370	352	315	278	241	204	167
57	18	19	52	470	447	400	353	306	259	212
*62	22	23	78	515	489	438	386	335	283	232
†67	23	22	62	655	627	473	416	361	305	
75	24	19	46	670	637	570	503	436	369	
†77	25	22	52	800	570	510	450	390	330	
†88	43	28	48	960	912	816	720	624	528	
†103	67	58	36	1600	1520	1360	1200	1040		

Heavy Lines Indicate Speed Limits

These Chains are interchangeable with other makes of Standard Link Chains of corresponding styles and numbers
Chains Nos. 33, 34 and 62 to be given preference for transmitting power, and used also for conveyers and elevators
†Chains to be preferably used as attachment chains for conveyer and elevator service
‡Working strengths in table are for steady service only, for unsteady service and shocks use but [illegible] of values listed

SPUR MITER AND BEVEL GEARS



Prices and Complete Data on Application

When ordering Spur Miter or Bevel Gears it is necessary to give diameter from out to out of teeth, width of face, distance from center to center of teeth, size of shaft. When ordering a new gear to run with one already on hand, send a tracing of the teeth in the old one.

If keyway is wanted give depth and width.

SPROCKET WHEELS

To order Sprockets specify the following:
1. Number of Sprocket Wheels required.
2. Pitch diameter
3. Number of teeth
4. Chain number
5. Exact bore or shaft size
6. If hubs are offset or special, give full information—sketch if possible
7. Driving (A) or driven (B). If not specified, driven (B) will be furnished
8. Keyseated or set screwed (or both)
9. Size of keyway (unless Standard).

Prices on application

DOG COLLAR PADLOCKS

For Dog Collars, Small Chests, Fishing Tackle Boxes and Baskets, Show Cases, etc.

No. 2969 [illegible] Per Dozen
[illegible] Shackle, Hasp [illegible] Two Combination Keys [illegible] Per Dozen ... $37.00
No. 2969½ [illegible] Per Dozen ... $42.00

No. 2575 3½ inch Polished Cast Brass Case and Shackle, Solid Brass Lock, One Hasp Loop to Lock, 2 Keys, Per Dozen ... $1 60

No. 0000—¾ inch Polished Brass Case and Shackle, Solid Brass Lock, Steel Hasp Loop, Flat Steel Key, Weight per Dozen 4 ozs. Per Dozen ... $2.95

Polished Brass Case and Shackle, One Flat Steel Key
Size, inches ... 1½ ... 1¾ ... 2
Weight per Dozen about ... 12 oz. ... 16 oz. ... 20 oz.
Per Dozen ... $2 00 ... $ 2.50 ... $ 3.00

No. 61—Brass Padlock, Polished Brass, One Polished Brass Key, Weight per Doz. 2 ozs. Per Dozen ... $2.00
No. 62—Brass Padlock, Polished Brass, Two Keys, Weight per Doz. 3 ozs. ... $2.60

No. 81—Brass Padlock, Polished Brass Case and Shackle, Solid Brass Lock, One Flat Steel Key, Weight per Dozen 4 ozs. Per Dozen ... $1.70
No. 82—Nickel Plated; Otherwise same as above ... $2.60

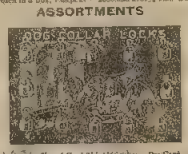
No. 1572—3 inch Cast Brass, Solid Shackle, One Flat Key, Weight per Doz. 4 ozs. Per Dozen ... $1 70

No. 235—3½ inch Nickel Plated Weight Brass, One Flat Steel Key, Weight per Dozen 3 ozs. Per Dozen ... $1 50

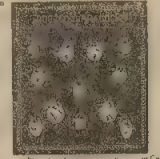
One Dozen in a Box, Except 2000, Packed 200; Half Dozen

ASSORTMENTS

No. 100—Twenty-two Nickel Plated Weight Brass Padlocks, Series Padlock With a Key to Each ... Per Card ... $1 60



Size of Card 6½x8½ Inches ... Per Card
No. 212—Twenty-four Polished Brass Padlocks, One Padlock to Each Locks Weight per Card 4 ozs. ... $1 70



Size of Card 9½x11½ Inches ... Per Card
No. 12—Twenty-four Nickel Plated Padlocks, Series Numbers Stamped on Each Locks, One Key to Each Lock ... $2 30

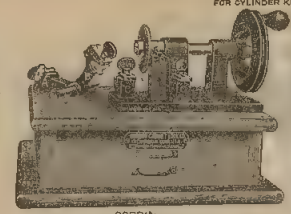
Size of Card 6½x8½ Inches ... Per Card
No. 250—Assorted, Twelve Polished Cast Brass Padlocks, 3 each 3/4, 1, 1¼ and 1½ inch, One Key to Each Lock, Weight per Card 8 ozs. ... $2 50

Size of Card 9½x11½ Inches ... Per Card
No. 6—Assorted Twelve Polished Nickel Plated Padlocks, 3 each 1, 1¼ and 1½ inch, Shape Lock to Fit 10 inch Arch, One Key to Each Lock, Weight per Card 8 ozs. ... $2 50

Size of Card 10 inches ... Per Card
No. A—Assorted Six Polished Brass and Six Nickel Plated Brass Padlocks, One Key to Each Lock, Weight per Card 8 ozs. ... $3.00

KEY CUTTING MACHINES

FOR CYLINDER KEYS ONLY



CORBIN

[illegible] Length Over All 13½ inches Long, 11 inches Wide and 4½ inches High, with Two Drawers Fastened to Key Accessories Can be Operated on Hand or by Belt. Will Accurately Cut Keys for All Pin Tumbler Locks

Each
No. 0101 Complete, Cabinet Machine and Twelve Dozen Assorted Cylinder Key Blanks ... $40.00
One and a Half Weight 45 lbs ... 22.00
No. 0101¼ Machine Only Without Blanks or Keys. One and a Half Cast Weight, Each 35 lbs ... 9 00
No. FC0101—For a Cylinder Wheels for above Machine One in a Box, Weight, Each 2 lb ... [illegible]

This Machine can be Clamped In Any Vise

Made of Steel Milled to Its Shape, Making its Accuracy Positive

An Accurate Key Cutting Machine at a reasonable Price. The Gauge Pins are Tempered so hard that they Cannot be Filed, Making it Impossible to Wear Them Out.

Cut Shows Gauge Plate Equipped with Each Machine Corner V Groove and One for Round Groove

HARP SON

Each
No. MIP 11 x 3½ inches Polished Steel Brass Thumb Nuts for Holding Keyed Bow Clamp is made of Iron, Japanned, with Polished Thumb Screws ... $7 00

FILES

No. 81F—Special Diamond Files for Use with MIP Machine One in a Box, Weight, Ends 1 lb. ... 80

WE SPECIALIZE BUILDERS HARDWARE.

Go through this catalog—make a mental note of the class, character and variety of Builders Hardware shown—and you will be compelled to consider us Builders Hardware Specialists in the broadest sense.

We learned some years ago that the concern who handles new designs—who would keep the prices down and the quality up and who would have the stock ready for immediate shipment—would take the lead as distributors of Builders Hardware. We have been adjusting our business to this policy ever since.

We now offer you the merchandise listed here absolutely confident that it will completely satisfy you on every demand from a quality standpoint as well as a price standpoint.

Supplying many thousand dealers throughout the United States, we are justified in carrying this large open stock, and the very knowledge that we do carry such an immense stock brings us new business from every part of the country every day.

This new business comes because the dealer has learned that we actually carry the stock and ship at once.

Items Marked ✠ Not Carried in Stock, Can Only be Furnished by Shipping Direct from Factory, New Britain, Conn., or Chicago, Ill.

"DIAMOND EDGE IS A QUALITY PLEDGE"

WROUGHT TUMBLER PADLOCKS

Japanned Wrought Steel Case; Polished Wrought Steel Shackle, Without Spring

1 Key

Per Dozen

No. 1/0—2 inches One Wheel Ward, One Malleable Iron Key to Each Lock; Weight per Dozen 2 lbs. $1.40

1 Key

Per Dozen

No. 3/0—2¼ inches. One Wheel Ward, One Malleable Iron Key to Each Lock. Weight per Dozen 3 lbs. $1 00

One Dozen in a Box

2 Keys

Per Dozen

No. 2 SK—2 inches. One Wheel Ward, Brass Key Hole Drop, Two Malleable Iron Drilled Keys to Each Lock. Weight per Dozen 3 lbs. $2.20

2 Keys

Per Dozen

No. 1-2K—2 Keys, 2½ inches One Wheel Ward and One Side Ward, Brass Key Hole Drop, Two Malleable Iron Drilled Keys to Each Lock. Weight per Dozen 4¼ lbs. $3 60

One Dozen in a Box

2 Keys

Per Dozen

No. 2-2K—2 Keys, 2½ inches One Wheel Ward and One Side Ward, Raised Brass Key Hole Drop, Two Malleable Iron Drilled Keys to Each Lock. Weight per Dozen 4¾ lbs. $2 80

Half Dozen in a Box

2 Keys, Spring to Shackle

Per Dozen

No. 1½ 2K—2 inches Raised Brass Bushing, Wheel Ward, Brass Key Hole Drop, Two Malleable Iron Drilled Keys to Each Lock. Weight per Dozen 6 lbs. $4 70

H. Weight per Dozen

2 Keys

Per Dozen

No. 1006-2K—2 Keys 2½ inches Raised Brass Bushing, Solid Brass Wheel Ward, Side Ward, Double Chamber Two Malleable Iron Double Bitted, Barrel Keys to each Lock Weight per Dozen 6 lbs. $4 60

Half Dozen in a Box

2 Keys

Per Dozen

No. 1043-2K—2 Keys 2½ inches Raised Brass Bushing and Revolving Key Hub, One Wheel Ward, Double Chamber Two Double Bitted, Flat Steel keys to Each Lock Six Changes Weight per Dozen About 4½ lbs. $4 50

Half Dozen in a Box

2 Keys

Per Dozen

No. 1033-2K—2 Keys 2½ inches, Raised Brass Bushing and Revolving Key, Two Disc Wheel Ward, Four Double Bitted Flat Steel Keys to Each Lock Six Changes Weight per Dozen About 6 lbs. $5 20

Half Dozen in a Box

WROUGHT TUMBLER PADLOCKS

JAPANNED WROUGHT STEEL CASE POLISHED WROUGHT STEEL SHACKLE

Per Dozen

No. 1045-SK—2 Keys, 2½ inch Raised Brass Bushing Revolving Key Hub, Set Locking Spring Shackle Two Double Bitted Flat Steel Keys to Each Lock Six Changes, Weight per Dozen 5½ lbs $5 80

Half Dozen in a Box

WITH 8 INCH JAPANNED CO L CHAIN

Two Keys, Set Locking Spring Shackle

Per Dozen

No. 16-2K—2 Keys, 2½ inch Brass Keyhole Drop Raised Brass Bushing One Wheel and One Side Ward, Two Malleable Iron Barrel Keys to Each Lock. Weight per Dozen 4½ lbs. $6.30

One Dozen in a Box

Two Keys, Set Locking Spring Shackle

Per Dozen

No. 16-2K, 2 Keys, 2½ inch Brass Keyhole Drop Raised Brass Bushing One Wheel and One Side Ward, Two Malleable Iron Barrel Keys to Each Lock. Weight per Dozen 8½ lbs. $8.20

Half Dozen in a Box

COMPARATIVE L ST OF WROUGHT TUMBLER PADLOCKS

Shapleigh Hardware Co.	2 0	2	1	1½	18	2006	3033	3043	3045	1006
Mackaye Wheeler Co.	3 0	2 0	1	2	14	1006	1033	1043	1045	1-06
Wm. Wheeler Manufacturing Co.	3 0	2 0	1	2	14	1006	1033	1043	1045	1-06
Russell & Erwin Manufacturing Co.	3 0	2 0	1	2	14	10	3030	3038	3027	3070	4350
Sargent & Co.	2000	200	2C	2C	313	101		233	1027	1045	214
Miller Lock Co.	200	2C	3C	3C	347C	202C	3C	4C4	223	402C	102
E. T. Fraim Lock Co.	200	201	203	204		202	3C2	208	370		374
Staysmaker Lock Manufacturing Co.	201	202	2C4	205		252					
	3 0	2 0	1	2			3006	3033	3043	3045	3050

PADLOCK CHAINS

Per Dozen

No. 2210 14 inch Extreme Length Solid Ring on Each End. 3/16 inch in Diameter Chain same Size as No. C1 Steel Sash Chain, all Nickel Plated can be used with any Padlock Weight per Dozen 1¾ lbs $2.80

Three Dozen in a Box

Per Card

No. 2215 Fancy Corded Chain, consisting of a No. 2 0 Chain 24 inch Extreme Length, and a No. 1200 Chain, 12 inch Extreme Length, Size of Ring No. 2210 is inch in Diameter No. 2200 11-16 inch in Diameter, Chain same Size as No. C1, Steel Sash Chain, all Nickel Plated, can be used with any padlock of Similar Shackle. Weight per Card 16 oz. $3.60

One Card in a Box

Per Dozen

No. 2200—11 inch Extreme Length Solid Ring on Each End, size 10 inch in Diameter, Chain same Size as No. C1, Steel Sash Chain, all Nickel Plated, can be used with any Padlock, Weight per Dozen 1 lb. $2.00

Three Dozen in a Box

"Diamond Edge is a Quality Pledge"

CHEROOTS, STOGIES AND LITTLE CIGARS

POPULAR CIGARS AT LOWEST JOBBING PRICES.

"Merry Duchess" Us ma made, selected Hav a, Sumatra & Connecticut Shade leaf wrapper, handsomely packed, 50 in box
Y8312 — Perfecto 5 in. Per M **$33.00**

"John Ruskin"—Long combination filler and wrapper, banded. 50 in box
Y8709—Perfecto 5 in. Per M, **$34.00**

"U. S. Bond"—Long domestic filler and wrapper, banded. Handsome display case included with each order for 250. 50 in box.
Y8701 Perfecto Grande, 5.5 in. Per M, **$34.50**

"Anna Held" Well known favorite, banded. 50 in box
Y8402—Napoleon, 4¾ in. Per M, Cus **$35.00**

"La Preferida" Long Havana filler and wrapper, Spanish band made, banded. 25 in cedar box
Y8478 Perfecto, 5 in. Per M, **$60.00**

"JOSIAH QUINCY" U. S. D. C. CIGARS.

Except one quality, will please the most critical cigar smoker. Long Havana filler, finest seconds, well matured brown leaf wrapper hand made, packed 50 box

Y8773 Sweets" Panatela, 3¾ in. Per M. **$35.00**

Y8774 Perfecto, 4¾ in., 3 for 25c size. Per M **$55.00**

Y8775 Panatellas, 5 in., 10c size. Per M, **$70.00**

Y8776 — Coronas, 5 in., 2 for 25c size. Per M, **$85.00**

U. S. D. C. CIGARS.

Standard Quality. We guarantee these cigars to be as good as anything in the market offered at equal prices.

"U. S. Standard"—Choice Havana filler, Sumatra wrapper, handmade, good quality smoke. 50 in box
Y8770 — Londres, 4¾ in. Per M, **$35.00**

"New Carraway" Guaranteed choice long Havana filler, Sumatra wrapper, carefully made, delightful smoke
Y8771 Londres Partagas 5 in., 50 in box Per M, **$35.00**

"New Carraway" Guaranteed choice long Havana filler, Sumatra wrapper, carefully made, delightful smoke
Y8707 Londres 5 in., 10 in individual cedar can
CAN of 10....**38c**

"Better Made" Choice selected domestic filler and binder, Sumatra wrapper, hand made, a good smoke. 25 in Ribo humidor can
Y8772 — Perfecto Grande, 5½ in. Per M **$35.00**

MANILA CIGAR.

"La Calidad"—Mild, delightful smokes. Made in the Islands. Selected tobacco, superior workmanship. 100 in box
Y8285—Londres 4¾ in. Per M **$25.00**

PORTO RICAN CIGAR.

To retail at 5c each.

"Casa Marca"—Well shaped long filler, heavy wrapper, banded. 25 in foil wrapped pkg. 50 in box
Y8180—Breras, 5½ in. Per M, **$40.00**

CHEROOTS.

"Old Virginia"—New large size 3 waxed paper wrapped in pouch 100 in box.
Y8434—4¼ in. Per M. **$12.50**

POPULAR SELLING STOGIES.

Original "Cube" — 3 for 5c, long filler, hand made, even burners, good smokers. Flavor of Havana. Sears' 3 wax paper wrapped in pkg. 100 in box
Y8435—4¼ in. Per M, **$12.50**

"Sister's" Well shaped, long filler. 100 in box
Y8385—4¼ in. Per M, **$12.50**

"Steel King" Hand made long filler wrapped 25 in pkg. Modern round cornered box, 100 in square box
Y8382—5 in. Per M, **$12.50**

"Dutch Stogies"—Well shaped long filler, free smoker, 5 handed. Sold for 10c or 2 for 5c. 100 in box
Y8386—5 in. Per M, **$16.50**

CIGARETTE OR CIGAR LIGHTERS.

Y2507 Y2508

Y2507—"Auto Metall." 1¾x1¾, solid brass case heavily nickel plated, braided wick, will not tarnish. Knurled striker on side, air proof chamber. Will not leak. In doz in box. Doz. **$1.92**

Y2508—"Gem" Striker 1 3/8x1¾, solid brass case, heavily nickel plated, braided wick will not burn 48 extra heavy metal striker on side, loop for attaching to vest chain. Each in carton, 1 doz. in box Doz. **$3.68**

LITTLE CIGARS.

Y8319 Y8331 Y8321

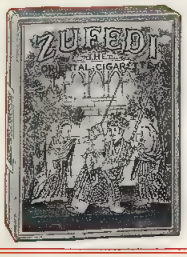
"Recruits"—10 in pkg. 50 boxes (500) in carton
Y8477—10 for 5c Per M **$4.00**

"Sovereign"—10 in box. 50 boxes (500) in carton
Y8479—10 for 5c. Per M **$4.00**

"Sub-Rosa"—10 in box. 50 boxes (500) in carton
Y8710—10 for 5c Per M. **$4.00**

"Hoffman House" 10 in tin box, 25 boxes (250) in carton.
Y8831—10 for 10c. Per M **$7.50**

"St. Leger" 10 in tin box 10 boxes (100) in carton
Y8833—10 for 10c. Per M, **$8.00**



"ZUFEDI" TURKISH CIGARETTES.

New brand delightful blend, attractive package, growing in demand. Note profit possibilities.

Y8783—Plain tips, 10 in box. 10 boxes (100) in carton. A counter display box with each order for 100 boxes.
Per M, **$7.50**

LITTLE CIGARS.

Y8476 Y8483

"Between the Acts" — 10 in tin box. 10 boxes (100) in carton.
Y8720—10 for 10c. Per M, **$8.00**

"Telonettes"—Large Havana blend, mild and delightful. 10 in cardboard box with coupon, 10 boxes (100) in carton.
Y8485—10 for 10c. Per 100 .. **$1.15**

"Royal Bengals"—10 in box. 10 boxes (100) in carton.
Y8833—10 for 10c. Per 100 .. **$1.15**

25c PIPES AND A FEW ACCESSORIES

ASSORTMENTS of the best selling styles at prices that permit you to make extra good profits. We are THE pipe house of America. Buy from this page and you'll agree with us.

25 CENT GENUINE BRIAR PIPE ASSORTMENTS

Y2264—"Clawfoot" Asst. Natural finish egg bowl dark finish clawfoot round shanks, straight and bent stems, electro plated ferrules, 2 in. clear and amberine screw bits. Asstd. ½ doz. in box.
Doz. **$1.85**

Y2108 Turned In Bowl Asst. 4 styles Hungarian and fancy bowls, round, oval, square shanks straight and bent stems electro ferrules, ½ to 1 in. clear amberine screw bits. Asstd. ½ doz. in box. Doz. **$1.95**

Y2111—1015 Pad Asst. 12 styles, to fit any claw foot, rustic and horse hoof right and left finishes 6 straight and 6 bent stems 2¼ to 2½ in., clear amberine screw push bits. Asstd. 1 doz. in box.
Doz. **$2.00**

Y2100—"Lock Mount" Asst. 6 styles standard bull dog and Hungarian bowls, natural finish, straight and bent stems round and square shanks 2½ in. unbreakable clear amberine half screw lock bit. Asstd. ¼ doz. in box.
Doz. **$2.00**

Y2015—Straight Celluloid Bit Asst. 6 styles bull dog, egg, Hungarian and half bent bowls, dark finish round, flat and square shanks straight stem, electro plated ferrules and flush mounted, 2¼ in. clear amberine screw bits. Asstd. ½ doz. in box.
Doz. **$1.80**

Y2114—Straight Rubber Bit Asst. 6 styles standard egg or Hungarian bull dog and half bent bowls some with turned-in tops, round, flat and square shanks straight stems, electro plated ferrules 2¼ in. round rubber French push bits. Asstd. ½ doz. in box.
Doz. **$1.80**

Y2110—Bent Rubber Bit Asst. 6 styles, standard size bull dog, egg and London bowls, natural finish, some with turned-in tops, bent stems, electro plated ferrules, 2¼ to 2½ in. hard rubber French push bits. Asstd. ½ doz. in box.
Doz. **$1.80**

ASSORTMENTS OF STAPLE SHAPES.

Selected especially for the merchant who wishes to fill out his stock with either straight or bent pipes. Note uniform prices

Y2213—Colgate Asst. Full size London and bull dog bowls, bent and straight stems, square shanks, gilt stamped, electro plated ferrules, 2 to 2½ in. clear amberine saddle bits. Asstd. ½ doz. in box.
Doz. **$1.80**

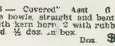
Y2117—"Kern Horn" Asst. 12 styles, standard size bowls, natural and dark finishes, 6 straight and 6 bent stems, electro plated ferrules and flush mounted, 2¼ in. kern horn bits. Asstd. 1 doz. in box.
Doz. **$1.80**

Y2016—Pent Celluloid Bit Asst. 6 styles, London, egg and bull dog bowls, natural and dark finishes, round and square shanks, bent stems electro plated ferrules, some flush mounted 2½ in. clear amberine bits. Asstd. 1 doz. in box.
Doz. **$1.80**

FAMOUS "WELLINGTON" PIPE ASSORTMENT.

Y2103—"50 Asst. 6 styles genuine French briar well bowls, non-nicotine feature standard size Hungarian, London, egg and turned-in bowls, electro plated ferrules, bent stem, solid rubber French push and screw bits, Paterson lots. Asstd. ½ doz. in box.
Doz. **$1.90**

25 CENT KERN HORN BIT BRIAR PIPE ASSORTMENT.



Y2026—"Covered" Asst. 6 styles, large bowls, straight and bent stems, 4 with kern horn, 2 with rubber bits. Asstd. ½ doz. in box.
Doz. **$2.10**

HARD RUBBER BIT BRIAR PIPE ASSORTMENT

Y2109—"Setter" Asst. 6 styles, engine turned Hungarian and fancy bowls in stone with flat base others with small mats, stand straight and bent stem, electro plated ferrules, solid rubber bits. Will stand up without tobacco spilling out of pipe. Asstd. 1 doz. in box.
Doz **$1.95**

POCKET MATCH SAFES.

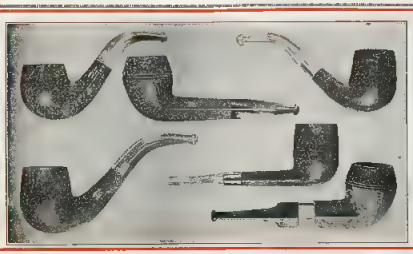
Y8106—Oval spring top, full nickel plated. 1 doz. in box.
Doz. **39c**

Y2158—10c Asst. 5 styles, parlor match size plain and embossed, nickel and gilt. Asstd. 1 doz. in display box.
Doz. **84c**

Y2459—25c Asst. 6 styles, silk, moose bowling and art designs, gold and silver finishes some with silver center bottoms. Asstd. 1 doz. in display box.
Doz. **$1.90**

PIPE CLEANER.

Y2487—"Gilbert" Twisted wire, worsted covered. 12 in bdl., 3 doz. bdls. in box.
Doz. bdls. **10c**
Gro. bdls. $1.10



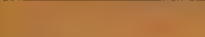
"COMMON SENSE" BRIAR PIPE ASSORTMENT.

A popular assortment of shapes and styles that will cover the needs of the average merchant and at a small and profitable investment.

Y2162 About 24 styles, natural and dark finishes, straight and bent stems, electro plated ferrules, some fancy mounted, solid rubber amberine and hard screw push bits. Asstd. 3 doz. in box.
Doz. **$1.65**

WOODEN WARE.

WHITE OPALITE ROLLING PINS.

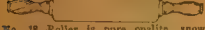


No. 18—Roller is pure opalite, snow white, sanitary and non-absorbent, revolves on polished hardwood handles, w't per doz. 30 lbs., per dozen ..... CIJ $6.50

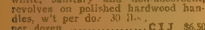
Positively the finest and best sanitary rolling pin in existence. One wipe with a damp cloth cleans it.

ONE DOZEN IN A BOX.

ROLLING PINS.



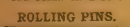
No. 11—12x2¾ in., selected hard maple, oil finished, full size revolving plain handles, w't per doz. 25 lbs., per dozen ..... AEJ $2.00



No. 12—12x2¾ in., selected hard maple, oil finished, full size, revolving enameled handles, w't per doz. 27 lbs., per dozen ..... AHJ $2.25

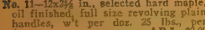
ONE DOZEN IN A CRATE.

JUVENILE ROLLING PINS.



No. 14—7x1¾ in., selected hard maple, oil finished, plain handles, w't per doz. 6 lbs. .....per dozen JGJ $1.20

ONE-HALF GROSS IN A BOX.



No. 2—Length 10 in., white wood, w't per doz. ½ lb. ....per dozen DB $0.70

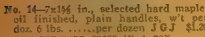
ONE GROSS IN A BOX

WOOD SPOONS.

Maple.			
Nos.	3	4	5
Length, in.	13	15	17
Per dozen	$0.90	1.00	1.25
	DB	JEE	JFE

ONE GROSS IN A PACKAGE.

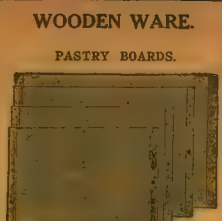
Imported	White Shaped	Hollywood, Bowl.	Egg
Nos. ...	93	94	
Length in	12½	14½	
W't per d z, lbs -	1	1½	
Per dozen	$2.00	2.50	
	ABJ	AEJ	



No. 96—Imported, white hollywood, egg shaped bowl, slotted, length 15 in., w't per doz. 1½ lbs. per d zen ..... AEJ $2.50

ONE DOZEN IN A PACKAGE

PASTRY BOARDS.



Basswood.

Nos.	2	3	4	5
Size, in	16x22	18x24	20x27	20x30
W't per doz., lbs.	50	60	80	90
Per dozen. .	$4.50	5.50	6.50	7.50
	CHJ	DBJ	DHJ	EGJ

ONE DOZEN IN A BUNDLE.

IDEAL PASTRY BOARDS.

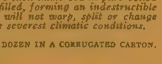
No. 22—Size 21x22 in., w't per carton 35 lbs. .....per dozen JIJJ $15.00

The base or foundation over which the metal is securely bound, is composed of three ply veneer, the wood being laid with the grain of each piece crossed, and all solidly glued together under several tons pressure.

They are then immersed in pure boiled oil until filled, forming an indestructible base that will not warp, split or change under the severest climatic conditions.

ONE-HALF DOZEN IN A CORRUGATED CARTON.

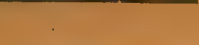
MEAT BLOCKS.



No. 6—12x16x2¾ in., hardwood, w't per doz. 48 lbs. .....per dozen BIJ $4.00

TWO DOZEN IN A BUNDLE

POTATO MASHERS.



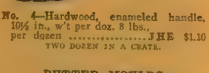
No. 3—Hardwood, plain handle, 10½ in., w't per doz. 11½ lbs., per dozen ..... JGE $1.00

TWO DOZEN IN A CRATE.

No. 4—Hardwood, enameled handle, 10½ in., w't per doz. 8 lbs., per dozen ..... JHE $1.10

TWO DOZEN IN A CRATE.

BUTTER MOULDS.



Nos. 10 to 11. No. 21

No. 10—1 oz., round, individual, w't per doz. 1 lb. .....per dozen JFJ $1.00
No. 10½—½ lb., round, w't per doz. 6 lbs. .....per dozen JHJ $1.75
No. 11—1 lb., round, w't per doz. 14 lbs., per dozen ..... AEJ $2.25
No. 21—1 lb., square, w't per doz. 11 lbs., per dozen ..... BIJ $6.00

NO. 10 LOOSE; BALANCE ONE DOZEN IN A CASE.

No. 41. No. 50.

No. 41—1 lb., California pattern, square, brass hinges, w't per doz. 9 lbs., per dozen ..... CBJ $4.25
No. 50—1 lb. brick, with handle and revolving stop, perfectly square sides, w't per doz. 12 lbs., per dozen ..... BGJ $5.00

ONE DOZEN IN A CASE.

SALT BOXES.

No. 7812—Blue decorated china, wood cover, lettered "Salt," size 6 x 4½ in., w't per doz. 18 lbs., p e r dozen..... CFJ $7.50

FOR every musical occasion, for intimate hours or informal dances at home, or for more pretentious social events, the Columbia Grafonola is the *one* ideal musical instrument. Its superb tone-quality, so vividly true, natural and rounded and its perfect and exclusive control of tone-volume, are two distinguishing features that have established the Columbia as the finest musical achievement.

IMPORTANT NOTICE — All Columbia Records can be played on Victor Talking Machines. Likewise all Columbia Grafonolas will play Victor Records

Columbia

GRAPHOPHONE COMPANY, - - Box A230 Woolworth Building, New York

Schoenhut ALL-WOOD Dolls

AN AMERICAN INVENTION

MADE IN U. S. A.

An Invitation to Meet Miss Dolly Schoenhut

Who Can Do Almost Everything But Talk

No, Miss Dolly is not a real girl, but you can hardly tell the difference. See Miss Dolly, her brothers and sisters and all her Schoenhut playmates at the best store in your town.

They are the most attractive and lovable little folks in the world—and the healthiest. They are made all from wood and are practically indestructible. Even the heads are modeled of solid wood. Some are beautiful character heads modeled by artists. All are artistically painted with natural oil colors, giving a finish superior to any other doll heads.

Schoenhut All-Wood Perfection Art Dolls are fully jointed—not with elastic cord, but with our patent steel springs with swivel connections. The parts are held tightly, but are flexible enough so that the dolls will hold any pose. Having no elastic cord, they never need restringing. They come with the finest quality mohair wigs or with hair carved on wooden head painted natural colors.

Schoenhut Dolls never break and cause heartaches. Your little ones cannot know the all joy and pride of doll possession until they own a Schoenhut. Our illustrated book shows Schoenhut Dolls of all sizes and prices. You ought to have this book to help you to select a doll that your child will love and use for years. Send for it now. The Schoenhut Dolls, being a new invention, are not stocked by all dealers, therefore, we will supply you direct from the factory if your dealer cannot supply you.

Schoenhut's Humpty-Dumpty Circus Toys

Toys that gladden the hearts of our dear little ones—Appeal to boys and girls alike, of any age

The funniest thing you ever saw. The elephant can do tricks you never heard of. The donkey outdoes her animal Barnum ever had. The clowns can make grown-up people, as well as children, laugh to beat

The figures are made of solid wood, fully jointed with elastic cord, painted in oil colors, the clowns are dressed in fancy costumes. Will stand the roughest kind of treatment. There's no end to the fun these merry, each more grotesque than the last, are constantly delivering. You can watch Humpty-Dumpty through and you'll find nothing to approach Humpty-Dumpty's Circus. Ask to see it at any Toy or Department Store

Schoenhut Toys for 43 years have been made by American labor in an American toy factory—the largest in the world—modern, sanitary and well-lighted.

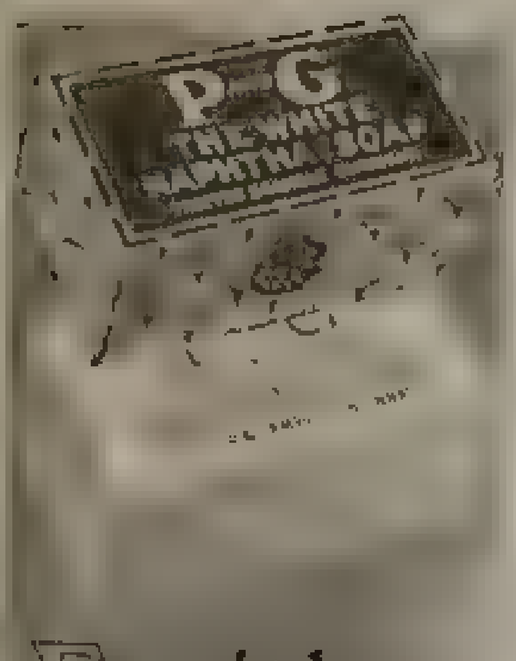
This button-shaped trade mark on the front of every genuine Schoenhut doll.

THE A. SCHOENHUT CO.
Patentees and Manufacturers
2463 Septima St., Phila.
Makers of the world-famous Schoenhut Toy Piano

Schoenhut's "Modlwood" Toys

All-wood construction toys for the small youngster whose unskilled hands cannot master the more complicated toys. They are made from clean white wood (not painted). Easy to construct and dismantle at will, satisfying the boyish craving to know "what's inside." Locomotives, Automobiles, Turning Cars and Racing Cars, etc., can be made.

Get your dealer to show you these toys, also the Humpty Dumpty Circus Toys. If he cannot supply you, send us his name, and we will mail you illustrated literature, etc.



Faultless washings without tiresome work.

Sweet, clean clothes without back-breaking rubbing and troublesome boiling. Clothes free from worn spots due to the action of the soap. That is the way of **P. and G.—The White Naphtha Soap.**

P. and G.—The White Naphtha Soap washes clothes as sweet and clean while they soak that hard rubbing and boiling are unnecessary. Yet it is harmless—cannot injure the clothes. It does the work successfully and safely because it is high grade soap, white soap, naphtha soap.

Likewise in general cleaning, **P. and G.—The White Naphtha Soap** saves time and gives complete satisfaction, not merely because it is naphtha soap, but because it is such superlatively good naphtha soap

THE SCHOOL AT CHRISTMASTIDE

All the selections here listed have been

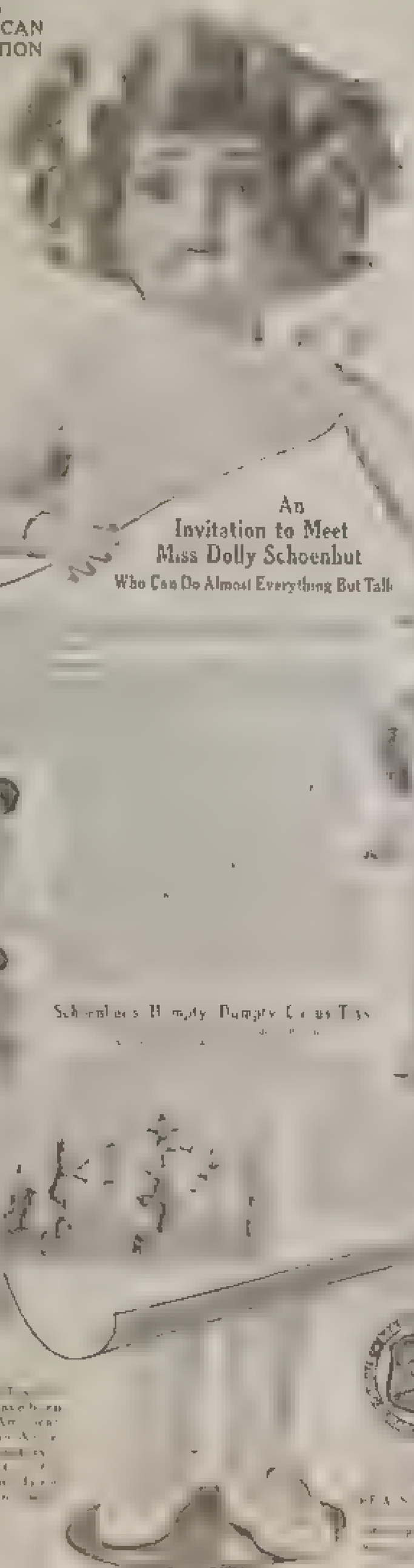
new Christian Century

Christmas Eve

Schoenhut ALL-WOOD Dolls

AN AMERICAN INVENTION

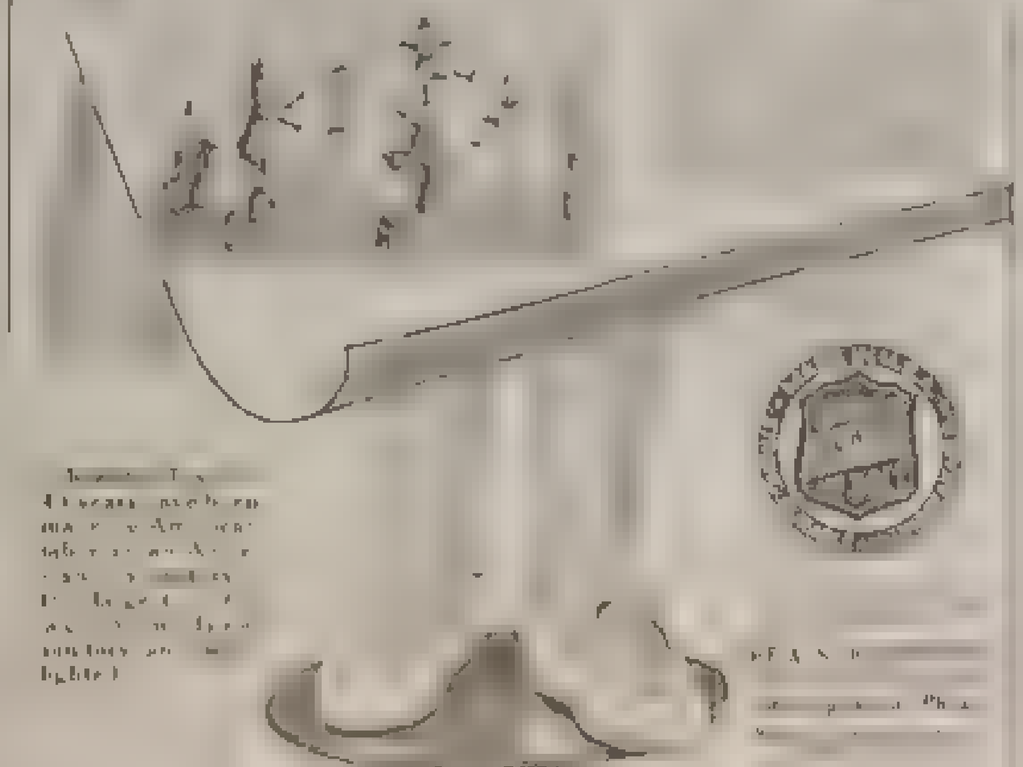
MADE IN U.S.A.



An Invitation to Meet Miss Dolly Schoenhut

Who Can Do Almost Everything But Talk

Schoenhut's Humpty Dumpty Circus Toys



Schoenhut's "Modlwood" Toys

Faultless washings without tiresome work.

Sweet, clean clothes without back-breaking rubbing and troublesome boiling. Clothes free from worn spots due to the action of the soap. That is the way of **P. and G.—The White Naphtha Soap.**

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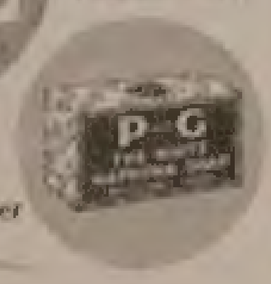
Likewise in general cleaning, **P. and G.—The White Naphtha Soap** saves time and gives complete satisfaction, not merely because it is naphtha soap, but because it is such superlatively good naphtha soap.

The WHITE Naphtha Soap

in the BLUE Wrapper



THE SCHOOL AT CHRISTMASTIDE

All the selections here listed have been carefully examined and are suggested for presentation at Christmas entertainments.

Some Musical Features

"A Merry Christmas." Eight-line chorus, good for close entertainment.

"Constant Christmas," by Phillips Brooks. Trio for high-school girls.

"The Jolly Christmas." Chorus for grammar grades.

"Beautiful Christmas Eve." Girls' chorus.

"Recipe for Christmas Pudding." Eight-line song for a little girl.

"Christmas Eve at the North Pole." Solo for a boy, a lively parody on "The Night Before Christmas."

Pantomimed song, "Christmas Secrets," to the tune of "Auld Lang Syne," to be enacted by four or more primary children, while the song is sung by a chorus off the stage.

"The Night Before Christmas." Pantomimed play to music. "Here We Go 'Round the Mulberry Bush"; "We are the Fairies Who Knit the Socks, Knit the Socks."

Drills and Motion Exercises

"The Christmas Tree." March, drill and chorus for thirteen pupils. A tree is donated to the evergreen boughs they carry.

"The Snow Brigade." A winter drill for twelve boys.

"A Christmas Bell Drill." For eight little girls with wands to which bells are attached.

"Christmas Finger Game." For children from four to six: "This is the pine tree that grew in the wood."

"Christmas Patriotic Drill." Uncle Sam, Miss Christmas, six boys and six girls.

"The Christmas Tree." A motion-song exercise for five or ten small children: "How your Christmas tree grew from a seed."

"Stocking Drill." Humorous, for eight small boys. All sorts of stockings—on heads for caps, and on hands and arms. Four lines for each boy.

"Poinsettia March and Drill." Twelve girls of the higher grammar grades. Red carnations. Poinsettia is formed to which a girl's face appears.

"A Christmas Dinner in Alphabet." Twenty-six primary children.

Recitations and Monologues

"The Christmas Tree." Twenty-four lines for a boy to recite before a Christmas tree is dismantled.

"A Very Exceptional Edition." Thirty lines for a primary boy.

"The Beautiful Garden of Toys." Forty lines for grammar grades.

"Merry Christmas Greeting." For a very little girl, eight lines.

"Father Christmas Message." Eighteen-line speech for a boy to close Christmas entertainment.

"Christmas Stocking Tales." For four children. Each speaker appears to be in a stocking, with head only protruding.

"The Birdies' Christmas." Twenty-four nature poems for a small child.

"Kitty's Stocking." Little child holding a stocking cut to fit a cat's head; twenty lines for a small child.

"Bells of Christmas." Forty lines, rhythmical, and prettily picturing the first Christmas in the Holy Land; for a high-school girl.

"Good Enough." Four lines for a tiny girl.

"Christmas Eve in Wildwood Hollow." What the animals got for Christmas. Sixteen-line recitation for a boy.

"Christmas Over All the Earth." The true Santa Claus; sixteen lines: "My truest and holiest name is love."

"Aunt Polly's Christmas Gift." Monologue for high-school girl.

"A Christmas Story." Short monologue by a boy carrying a small package.

"Fred's Christmas Shopping." Monologue for a boy of twelve.

Holiday Plays

"The Story of the Christ Child." For primary grades. Selected children and school.

"On the Eve of Christmas." Intermediate grade; an many boys and girls as convenient.

"Christmas at the Crossroads." A one-hour humorous play for high-school pupils.

"Daddy Darwin's Christmas." An hour's play for grammar grade boys and girls.

"The King of the Holiday." At the court of the children; with special arrangement for Canadian readers.

"A Christmas Joke." Twelve boys and twelve girls, grammar grade. A Christmas tree is planned for Mother Goose's children, and Jack Frost changes the labels.

"The Christmas Idea" (giving not getting). Ten-minute sketch. Four high-school girls and an old-fashioned lady.

"The Pink Scarf." A short, lively sketch for six girls, grammar or high school.

"The Gifted Givers." Four boys and four girls, high-school age.

"Grandpa's Christmas Stocking." A ten-minute play for ten characters, mostly small children.

"The Christmas Sunshine Society." A number of grammar grade children.

"The Birdy Christmas Card." Kate Douglas Wiggin's own dramatized version and five additional outdoor amusement. A royalty fee must be paid.

NOTE.—The selections mentioned in this column are all readily obtainable in inexpensive form. The addresses from which they may be obtained, and the prices, will be sent upon request to an addressed, stamped envelope sent to the School Entertainment Editor, in care of The Ladies' Home Journal, Philadelphia.

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They are the most attractive and lovable little folks in the world—and the healthiest. They are made all from wood and are practically indestructible. Even the heads are modeled of solid wood. Some are beautiful character heads modeled by artists. All are artistically painted with natural oil colors, giving a finish superior to any other doll heads.

Schoenhut All-Wood Perfection Art Dolls are fully jointed—not with elastic cord, but with our patent steel springs with swivel connections. The parts are held tightly, but are flexible enough so that the dolls will hold any pose. Having no elastic cord, they never need restringing. They come with the finest quality mohair wigs or with hair carved on wooden head painted natural colors.

Schoenhut Dolls never break and cause heartaches. Your little ones cannot know the full joy and pride of doll possession until they own a Schoenhut. Our illustrated book shows Schoenhut Dolls of all sizes and prices. You ought to have this book to help you to select a doll that your child will love and use for years. Send for it now. The Schoenhut Dolls, being a new invention, are not stocked by all dealers; therefore, we will supply you direct from the factory if your dealer cannot supply you.

Schoenhut's Humpty-Dumpty Circus Toys

Toys that gladden the hearts of our dear little ones—Appeal to boys and girls alike, of any age

The funniest thing you ever saw. The clothes can do tricks you never heard of. The dealers is better than any animal Barnum ever had. The clowns can make grown-up people, as well as children, laugh for hours.

The figures are made of solid wood, fully painted with elastic cord, patented in all joints. The clowns are dressed in fancy costumes. Will stand the roughest kind of treatment. There's no end to the fun—new tricks, each more interesting than the last, are constantly discovered. You can stretch Toyland through and you'll find nothing to approach Humpty-Dumpty Circus. Ask to see it at any Toy or Department Store.

Schoenhut Toys for 43 years have been made by American labor in an American toy factory—the largest in the world—modern, sanitary and well-lighted.

This button-shaped trade mark on the head of every genuine Schoenhut doll.

THE A. SCHOENHUT CO.
Pioneers and Manufacturers
2403 Sepviva St., Phila.
Makers of the world famous Schoenhut Toy Piano

Schoenhut's "Modlwood" Toys

All wood construction toys for the small youngsters whose unskilled hands cannot master the more complicated toys. They are made from clean white wood (not painted). Can be constructed and dismantled at will, satisfying the childish craving to know "what's inside." Locomotives, Automobiles, Touring Cars, Racing Cars, etc., can be made.

Get your dealer to show you these toys, also the Humpty-Dumpty Circus Toys. If he cannot supply you, send us his name, and we will mail you illustrated literature free.

Schoenhut Toys

Made in U. S. A. since 1872. American ingenuity and invention

THE TOYS you give this Christmas—where will they be a year from now? One well-made toy, still in affectionate use, is better than a wastebasket full of fragile cast-offs.

That is why reliable toy departments recommend Schoenhut toys. They have been staunchly made by American craftsmen since 1872, when Mr. Schoenhut opened his small toy factory in Philadelphia. Today there are thousands of fascinating Schoenhut toys. They are the standard by which all toys are judged.

Whether you spend 50c or $50 on Christmas toys, it will pay you to look for the Schoenhut name.

Schoenhut All-Wood Dolls

All-Wood Girl Doll

No. 16/317C/574

Illustrating an All-Wood Doll, 17 inches high, with closing eyes and curly wig; nicely dressed with White, Pink or Blue poplin.

Will be mailed to any address in the U.S. upon the receipt of $9.00. Can furnish without dress at $6.50.

are made entirely of wood, firmly jointed with patented swivel connections and steel spring hinges having a double spring tension. They do not come apart. They are practically unbreakable. Children love them dearly because they will stand or sit in practically any position, a metal foot-stand being furnished with each doll. They are painted with enamel oil colors that do not come off. They come with either finest quality mohair wigs or

with hair carved and painted on the wooden head, and may be had with either conventional or natural child faces. Eyes movable or fixed. A whole family to choose from—the world's only educational doll. Send for our illustrated doll booklet. If your dealer cannot supply you with Schoenhut's Dolls, we shall be glad to do so direct from the factory.

All-Wood Infant Doll

No. 14/107W/550

Illustrating an All-Wood Doll, 14 inches high, stationary eyes and bob cut wig; nicely dressed in white lawn.

Will be mailed to any address in the U. S. upon the receipt of $6.00. Can furnish without dress at $3.50.

Alphie Blocks

The Schoenhut Alphie Blocks are cute, chubby, attractive little creatures, each of which has a separate personality to endear itself to the childish mind. In shape, the blocks present the semblance of human figures. They are handsomely lithographed on both sides; one side a cute little child, the other a funny little animal; each block a different design. A different letter of the alphabet appears on the front and back of each block; so arranged that a half set provides a complete alphabet. They are made of hard-wood—5" high, 2½" wide, and about ⅞" thick. Flat on the tops, bottoms and sides, they can be used in innumerable ways for building, spelling, ten pins, etc. Several rubber balls come with each set.

Toy Pianos

The Schoenhut Toy Piano has accurate notes. Real tunes can be played upon it. The keys are the same width as on grown-up pianos, so that the child learns to spread her fingers properly. Schoenhut Toy Pianos are sold by practically all toy dealers and music stores. There are 42 variations of sizes and styles, ranging in price from 50 cents to $40.00 each. They should not be ordered from the factory, as it is not practical to ship them by parcel post. Get them from your dealer, and make sure that the name "Schoenhut" is on the front of the piano. Schoenhut's toy pianos have been famous for 50 years.

Humpty-Dumpty Circus (*illustrated below*)

Here are the toys that every boy and girl in the United States is longing for this Christmas. Schoenhut's Humpty-Dumpty Circus Toys are made of solid wood, firmly jointed with strongest elastic cord. They are attractively enamelled in natural colors. With a Humpty-Dumpty Circus you can have all the thrills of the big tent right in your own home. The toys can be put through all kinds of contortions. Here is the elephant standing on his hind legs and there is the clown balancing himself on a ladder. They will stay that way, too, until you take them down. Schoenhut's Humpty-Dumpty Circus Toys can be bought in sets from $1.00 to $35.00, according to the number of pieces. You can start a circus with a few pieces and then keep adding to it until you have "the greatest show on earth" right on your play room floor—horses, dogs, donkeys, elephants, everything that goes to make up a real circus. It is more fun than you can shake a stick at, and mother won't get mad, because there is nothing that will soil your clothes or mar the furniture. If you can't get these toys at your regular toy shop, send us its name and we will mail you an illustrated catalog free.

"The Greatest Play Toy in the World"

Look for the Name "Schoenhut"

With Schoenhut Toys in all good stores, no mother need put in the hands of her child carelessly conceived or cheaply constructed toys that break a few days after Christmas; toys with paint that comes off; toys that confuse the child's growing thoughts. Every Schoenhut Toy means education cleverly interwoven with amusement. Look for the name "Schoenhut" which appears on every toy or package.

The A. Schoenhut Company, 2288 East Hagert Street, Philadelphia, Pa.

Schoenhut ALL-WOOD Dolls

AN AMERICAN INVENTION

MADE IN U. S. A.

An Invitation to Meet Miss Dolly Schoenhut

Who Can Do Almost Everything But Talk

No, Miss Dolly is not a real girl, but you can hardly tell the difference. See Miss Dolly, her brothers and sisters and all her Schoenhut playmates at the best store in your town.

They are the most attractive and lovable little folks in the world—and the healthiest. They are made of best wood and are practically indestructible. Even the heads are modeled of solid wood. Some are beautiful character heads modeled by artists. All are artistically painted with natural tint colors, giving a finish superior to any other doll heads.

Schoenhut All-Wood Perfection Art Dolls are fully jointed—even with elastic cord, but with our patent steel springs with swivel connections. The parts are held tightly, but are flexible enough so that the dolls will hold any pose. Having no elastic cord they never need restringing. They come with the finest quality mohair wigs or with hair carved in wooden head painted natural colors.

Schoenhut Dolls never break and cause heart aches. Your little ones cannot know the full joy and pride of doll possession until they own a Schoenhut. Our illustrated book shows Schoenhut Dolls of all sizes and prices. You ought to have this book to help you to select a doll that your child will love and use for years. Send for it now. The Schoenhut Dolls, being a new invention, are not stocked by all dealers; therefore, we will supply you direct from the factory if your dealer cannot supply you.

Schoenhut's Humpty-Dumpty Circus Toys

Toys that gladden the hearts of our dear little ones—
Appeal to boys and girls alike, of any age

The funniest thing you ever saw. The clowns can do tricks you never heard of. The donkey is better than any animal Barnum ever had. The circus has many grown-up people, as well as children, beside the horses.

The figures are made of solid wood, fully jointed with elastic cord, painted in all colors. The circus are dressed in fine costumes. All stand the roughest kind of usage. There's no end to the fun—new tricks each week grown-ups than the kids are constantly discovering. You can watch Lookout through and see if you're going to approach Humpty-Dumpty's Circus. Ask to see it at any Toy or Department Store.

Schoenhut Toys for 43 years have been made by American labor in an American toy factory—the largest in the world—modern, sanitary and well-lighted.

This fashion-shaped trade mark on the box of every genuine Schoenhut doll

THE A. SCHOENHUT CO.
Pioneer and Manufacturers
2468 Separate St., Phila.
Makers of the world-famous Schoenhut Toy Piano

Schoenhut's "Modlwood" Toys

All wood construction—not for the small customers whose unskilled hands destroy the more complicated toys. They are made from clean white wood (not pasteboard). Can be repainted and decorated at will, and give the little owners to know what's inside. Locomotives, Automobiles, Express Cars, Freight Cars, etc., can be made.

Get out dealer to show you these toys, also the Humpty-Dumpty Circus Toys. If he cannot supply you, mail us his name, and we will mail you illustrated literature free.

MURAD

GREETING—you smokers of MURADS, wherever you are!

In the offices, banks, mills, factories, of the big cities and little towns.

Or doing the work of the world in the big open—

In frozen Alaska, where every ounce counts, where substitution and "half-good" are dangerous.

In tropical jungles.

In navy ward-rooms, on far-off army posts, where a whiff of the right cigarette is a "wireless" from Home.

On ranches, golf links, ocean liners, campuses, in mining camps, clubs, studios, newspaper sanctums, hotels, stock exchanges, legislatures, or wherever the layman or professional man gathers.

Wherever the FLAG flies or American genius has penetrated.

Greeting!

MURADS *are* THE Turkish cigarette, aren't they?

They DO stand the test.

They DO smooth over the rough places and make the smooth ones more delightful.

You have smoked MURADS, and YOU KNOW.

And you have told the man working or playing shoulder to shoulder with you, about MURADS.

It is YOU who have made MURADS the greatest-selling 15-cent Turkish cigarette in the world.

THE TURKISH CIGARETTE

Everywhere—Why?

Smarques

Makers of the Highest Grade Turkish and Egyptian Cigarettes in the world

FIFTEEN CENTS